

```

cccacaagaa ccttcagtg aagggggccc cttccattgc cgcaagaatg aagggggcca 1380
acttgagacc caaccttgnn gctttctggc ttggaagg 1418

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<210> 478

<211> 1237

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1236)

<223> n equals a,t,g, or c

<400> 478

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ctccttgcc tttgccagac acacctcccc gagggccgacc tcagtggcct ggatgaggtc 240
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<210> 479

<211> 1098

<212> DNA

<213> Homo sapiens

<400> 479

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```

gggaccgcct gctggtcacc aagtgcggcc gctccgctca caaggagccc ggcagtgcca 300
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accatgtgat tggcatagtg acagctaaat ctggagatat attcaaaagt gatgttgtag 420
ggagtgagcc agcttctttg tcttacttgt cattgaagg tgcaactaaa agaacaagac 480
caaatgtgca ggttgagagat ctcatctatg gccar'tttgt ggttgcta'at aaagacatgg 540
aaccagagat ggtctgtatt gacagctgtg gacgagccaa tggaa'tgggt gtcattggac 600
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gaagaatatg ggttaaggca aaaaccatcc agcagacttt aattttggca aacattttag 780
aagcttgtag acacatgacg tcagatcaaa gaaaacagat cttctccaga ttggcagaaa 840
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gtgaacctcc cccatttaaa tactcagaag ataaggtgtg aatgtatgta ttattagagt 960
ccgaaagtat ttttataagt tactgg'tttt caccacgct ttttggggag agaaatcat 1020
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<210> 480

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 480

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ggaaccggaa gtgatggcgg acytccggaa accgtagatt ccgggcggtc ggagccgcgc 180
ggagctgtag tttcccccgc gctcagagaa gtaggcagag agcggacctg gcggccgggc 240
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gggc'cccg gatgggg'aat cgtgtggcgg tgggagctgc ggggcagccg ggc'tgagcgc 480
tggtcggggg acttgagggg caaggccgcg cgcctcatct acacagcgat gctcagcacc 540
gcattctca'ct cggag'taaac gcaagtcctt agtgtgctgc gcggtggctc tgcc'ttctc 600
atcggcctct gtcctcg'cgc cctccttctc ctttgcggct ctccaacgtg ctaggcactc 660
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```

<210> 481

<211> 2995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1760)

<223> n equals a,t,g, or c

<400> 481

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atgcattgtaa  aaagaaagca  actccatcaa  ctactaccta  atcatgtgtg  tcagaaaaag  180
aaaaagcatt  caacagaagg  tgtcaaattg  acagctctca  atgacagcag  cctcgacttg  240
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ccaccacca  agcctacggg  ctccagagtt  gttctctcaa  cacgtctggt  aaacccacca  540
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<210> 482
 <211> 1248
 <212> DNA
 <213> Homo sapiens

<400> 482
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 ccattcatag agctgtggaa ttcaatcctc atgtgcctaa atacctacta gaaatgaaaa 540
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 cttaccaaat ctgtacagaa acagcagacc gagagctgct tccatctttc catgaagttc 780
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<210> 483
 <211> 1862
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (124)
 <223> n equals a,t,g, or c

<400> 483
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 cggatccctg cggctccgta cgtcggagtc cttcgtcctc cagggtccct gttcttggcg 120
 ccancgggaa ccaatattct tgcaactcctg ggggtttgtt acatggctgc tttctccaaa 180
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 cataggaaga gaaataactt aacaattttg cagagataca tgtcttccaa aataccagct 300
 gttactttat ctaaaaaatga gagtacaccc cttctgaa agctagagtt ggaataagtg 360
 aaaactacca tgaattctag tgtcaagaa gaattgttt caacaatctc aagcagtaag 420
 gatgaagatc ctctagctgc caccagagag ttcatgtgaa tgtggagatt gcttggcaga 480
 gaagtaccag aacacatcac tgaagaagag ctcaaaaccc ttatggaatg ttttcttaac 540
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 gaaaccactg aggaagataa acagaaaaac ttctatttt tacgacttgg ggaataggaat 720

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aa

```

<210> 484

<211> 1664

<212> DNA

<213> Homo sapiens

<400> 484

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tttctaattc ctaaaaattg tgtgggtgga gtggagccct gcagttgggg ggttaacatgt 180
accactgatt ttgccctttg accctgcaca atgacctttg catcagccaa atctatgtcc 240
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aggggaacaag ttgagacggt tcaattttta cattttttgt tgcaattttt tctccaatgg 360
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gcttaccggt acactagact aagcccttga tgacttatgt catgatacag taccaggaac 540
aacaggtggc ctaaatacat gaaaagcagt gtaagctagt gacactaaag ccagtcctgt 600
attactgtat ttgtgacaga atggttttga aaactgtgct acagggactg atgtggcaaa 660
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agtcaattac  tggaagcgga  tatatttcct  atgcataaac  tgtttaaaca  ataaaatgag  1620
ctatgctaca  gaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaa  1664

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<210> 485

<211> 969

<212> DNA

<213> Homo sapiens

<400> 485

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acagctgacc  actccgggtca  ggagagagag  actgagaagg  ctatggatcg  ctatgaccct  180
ggaacacaga  gcattcctaa  tgacagtctc  gcccggggtg  agggcaccca  ttctgaagag  240
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```

<210> 486

<211> 2572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (823)

<223> n equals a,t,g, or c

<400> 486

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<210> 487

<211> 1451

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 487

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ccagactgca gctcggccca tggctgtttt cccaaggatc agttccctga ggaaggagct 180
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cactctgca gtccacgctg aacatgggaa acaacctgaa aagcaggcag gcctcccggt 360
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```

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ctcggctttg gacagggttag tgtaactccc gatcccaggg cctagccctg acacagggtg 600
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aaaaaaaaa a 1451

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<210> 488

<211> 1200

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (285)

<223> n equals a,t,g, or c

<400> 488

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gatgaggaga gttttctgta ctttgctcac gccagcaacc tgtgcagaga gaggatccac 240
ctcgaaacc cctcggcggc gtcttctgt gtggcccgcc tgcangcaag aagggtttaa 300
aagtggaaat tatgtgttaa tagaagttaa agttgcaact caagaaggaa aagaaataac 360
ctgtcgaagt tatctgatga caaattacga aagtsctccc ccattccccac agtataaaaa 420
gattatttgc atgggtgcaa aagaaaatgg ttgcgcgtg gagtatcaag agaagttaaa 480
agcaatagaa ccaaatgact atacaggaaa ggtctcagaa gaaattgaag acatcatcaa 540
aaagggggaa acacaaactc tttagaacat aacagaatat atctaagggt attctatgtg 600
ctaataataa atatttttaa cacttgagaa cagggatctg ggggatctcc acgtttgatc 660
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gtgacaaatg aatgtgagta ccccttctgt gaacactgaa agctattctc ttgaattgat 840
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cgtatttctg gtttaaaaaa aagagcaact tcccttgcac tgtataccct ttgtattat 1080
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<210> 489
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 489
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ctaacaggat gtctagtgtt cagtgggtgt cacaagattc agtctgcaga gccgacttcc 120
tcagcctcct gaagacactg aacaccgcag tgttttccag tcagcaacgc aacaaaatca 180
gtttaagtga taatgacaat aacaaacaat ccatagcatc cacagcattc actgcttact 240
gnaaaactta ctatgtccca ggacacaagca ctgactttaa tcttg 285

<210> 490
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 490
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gnngacatcca aagggaaggc ccgcgggtgt cagcgagctg cgtcagggg accctggccc 120
cggcccttct gctgcacaca gcccaaccag gaacctccgc agcgtgaca ggcggggcgg 180
gtgcaaaagac ggggcgggggt ctctgcgccc ggcctccctcc cctgactatc aaagcagcgg 240
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gaaagtccag tctctcctcg gottgcaatg gaaccccaact gctcctgcgc cgtcgggtgc 360
tcctgcacct gcgctggttc ctgcaagtgc aaagagtgc aatgcacctc ctgcaagaag 420
agctgctgct cctgctgccc cgtgggctgt agcaagtgtg cccaggggctg tgtttgcaaa 480

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ggggcgtcag  agaagtgcag  ctgctgcgac  tgatgccagg  acaaccttcc  tcccagatgt  540
aaacagagag  acatgtacaa  acctggattt  tttttttata  ccaccttgac  ccatttgcta  600
cattcctttt  cctgtgaaat  atgtgagtga  taattaaaca  ctttagacct  gaaaaaaaaa  660
aaaaaaaaaa  aaaaaaaaaa  aa

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<210> 491

<211> 1859

<212> DNA

<213> Homo sapiens

<400> 491

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aaaaaatgaa  agacgctctg  tttaaaacaa  tgatgacagc  agtacttaat  atgtatttcg  180
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atttgtttct  agcttctccc  tgcagggaaa  atgctttcgt  cattatagcc  tctttacaca  300
gactggccat  tctagtgaac  aggtggtaaa  cctttgggct  gcccagaaac  attttatctg  360
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<210> 492

<211> 2709

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2160)

<223> n equals a,t,g, or c

<400> 492

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gtgaggttca ttccagagat ttccctctctg ccggaacctg agaagaccct gcacactgaa 180
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caggaattct cctgatcaa tgtgcaaatc cggaatgtca atktggagat ggcgcggca 360
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<210> 493

<211> 1451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1307)
<223> n equals a,t,g, or c

<400> 493
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atgacaaagg tagaaaaaag cacaaatgaa gcaatggagt ggatgaataa caagcctaata 180
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tcaattcgca c 1451

<210> 494
<211> 1268
<212> DNA
<213> Homo sapiens

<400> 494
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gtgaagtcca aggacgctgg tcttctttct cctttttagt agtgaggatg aagctctgca 180
cggggcccct gaaatgtccc tggcagaaac caaaacccag gttccaaggt acctaacctc 240
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<210> 495

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<400> 495

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384

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<210> 496

<211> 975

<212> DNA

<213> Homo sapiens

<400> 496

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tgagaaattg ttgagaagga tacagtttgt ttttagatgt ccttltgtcca atgtgaacat 420

```

```

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agtaacacca ttctgtggtg gtattttagt ttctgaaggg tcgcagttgc cttgagcact 600
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tcmctgtgag gtcttktgta attttatcgc taagatcaga atgtgagaag tattttggata 900
tagggaaaaga atgaagtgcc ttccaagtac attaaaaatc aagttaaagag tttaacggaa 960
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<210> 497

<211> 2075

<212> DNA

<213> Homo sapiens

<400> 497

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```

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2075

<210> 498

<211> 1904

<212> DNA

<213> Homo sapiens

<400> 498

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<210> 499

<211> 2871

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (267)

<223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1642)
 <223> n equals a,t,g, or c

<400> 499

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agaaaactga atttgacaag ttaatgaata aatgaacaaa tgatttcaca tgtttctatt 2760
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<210> 500

<211> 1624

<212> DNA

<213> Homo sapiens

<400> 500

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aaaa 1624

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<210> 501

<211> 848

<212> DNA

<213> Homo sapiens

<400> 501

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848

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<210> 502

<211> 3192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3085)

<223> n equals a,t,g, or c

<400> 502

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aagtattcga cttctacgac attgaggaga gattagatc tgggaaattt ggacaggtct 1800

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ttcgacttgt agaaaagaaa actcgaaaag tctgggcagg gaagtctctc aaggcatatt 1860
cagcaaaaga gaaagagaat atccggcagg agattagcat catgaactgc ctccaccacc 1920
ctaagctggg ccagtgtgtg gatgcctttg aagaaaaggc caacatcgtc atggtctctg 1980
agatcgtgtc aggaggggag ctgtttgagc gcatcattga cgaggacttt gagctgacgg 2040
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agggcatcgt gccactggac ctcaagccgg agaacatcat gtgtgtcaac aagacgggca 2160
ccagatcaaa gctcatcgac tttggtctgg ccaggaggct ggagaacgcg ggggtctctga 2220
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gctacgccac agacatgtgg agcatcgggg tcatctgcta catcctagtc agtggccttt 2340
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acttcgacga cgaggcatct gatgagatct ccgacgatgc caaggatttc atcagcaatc 2460
tgctgaagaa agatatgaaa aaccgcctgg actgcacgca tgetttcagc atccatggct 2520
aatgaaagat accaagaaca tggaggccaa gaaactctcc aaggaccgga tgaagaagta 2580
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gtacacctgc aaggctgtca acagtcttgg agaagccacc tgacacgacg agctcattgt 3060
ggaacagatg gaggaaggtg aaggngaagg ggaagaggaa gaagagtga acaaaagcca 3120
agaaaagcag tttctaagtc atattaaag gactatttct ctaaaactca aaaaaaaaaa 3180
aaaaagggcg cc 3192

```

<210> 503

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<400> 503

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tttggcgctt ctctgccggg cctatccggc tccatccaac ctctgaccgt ctccgggggg 60
ccgcagcttg ctcccgcggc tacggcggtt tgctcccgac cctgcaggcg gctgattgtt 120
ggggcgagsg gcaagatggc agaagtagag cagaagaaga agcggacctt ccgcaagttc 180
acctaccggc gcgtggacct cgaccagctg ctggacatgt cctacgagca gctgatgacg 240
ctgtacagtg cgcgccaggg ggcggctgaa ccggggcgctg cggcggaagc agcactccct 300

```

```

gtgtaagcgc ctgcgcgaagg ccaagaagga ggcgcgcgcc atggagaagc cggaaagtgg 360
gaagacgcac ctgcgggaca tgatcatcct acccgagatg gtgggcagca tgggtggcgt 420
ctacaacggc aagaccttca accaggtgga gatcaagccc gagatgateg gccactacct 480
ggcgaggttc tccatcacct acaagcccggt aaagcatggc cggcccgcca tcggggccac 540
ccactctctc cgcttcatcc ctctcaagta atggctcagc taataaaggc gcacatgact 600
ccaaaaaaa aaaaaaaaaa angggnsagg ccggtcttaa aggatccnaa gcywacktac 660
sctgctgcaa ctctactctc tcc                                     683

```

<210> 504

<211> 2196

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2196)

<223> n equals a,t,g, or c

<400> 504

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tcgaccacag cgtccggnag ttaacctttt gcctaaactt ggagagctca tacatactat 60
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gcctaaactt ggggtttctg tggttcataa agttgggata trtwtttttt ttcaaatgga 180
agaaaatccg tatttggcaa gaagactcca ggggatgata ctgtccttgc cacttacagt 240
ccaaagattt tccccaaaga atagacattt tttcctctca tcacttctag atgcaaaaatc 300
ttttattttt ttctttctc acacacaccc cagaccctca acgttaagcc agcttccatc 360
tcccatttcc acacgatctt gagtgcacac cgttatgktc gkttcctccc aagaktgttg 420
tattwgggtc tgaragscag aggggctkkg aaagacttgt tatagtcctg ktgggaatga 480
gagaagtcgg tgcagawtag taaacgggag tctgtttccc acaggtcccc ttccccctgag 540
cccatctaca atagcgaggg gaacgggctt aacccccgag agttccgcac ccgcaaaaag 600
ctggaagagg agcgggcacaa cctcatcaca gagatgggtg cactcaatcc ggatttcaag 660
ccactgcag attacaacc tccagcaaca cgtgtgagtg ataaagtcat gattccacaa 720
gatgagtacc cagaaatcaa ctttgtgggg ctgctcatcg ggcccagagg gaacacctcg 780
aagaacatag agaaggaagt caatgccaaag attatgatcc gggggaaaagg gctctgtgaa 840
gaagggaagg ttgggcgcaa agatggccag atgttgccag gagaagatga gccacttcat 900
gccctggtta ctgccaatac aatggagaac gtcaaaaagg cagtggaaac gataagaaac 960
atcctgaagc aggggtatcg aactccagag gaccagaatg atctacggaa gatgcagctt 1020

```

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cgggagttgg ctcgcttaaa tgggaccctt cggaagacg ataacaggat ctaagacc 1080
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gataaagcac ggatggataa agaataattg tcctcatgg ctgaactggg tgaagcacct 1260
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cagcagcctc cgccamcccc tccgcccagc agcagtatgg ctccagtag ccccttgcca 1860
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caacagcagc agcgcgctgc cgcagcttct ccaggagccc ctcatagta aggaaccccc 1980
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tgtngccgcg gcccgccct tccagtgagg ggccctggga aatgtgcntg gaaggcttga 2160
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```

<210> 505

<211> 949

<212> DNA

<213> Homo sapiens

<400> 505

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ccgcacatcc cccacccgg catgcctcca gttggggggc tggggcgggc agcctggcat 180
gagataacgt gagcctttt tcctctttg ttttttaac aagattttc aatcgacttg 240
cagagttagt gaagtgggta agcagcaggg taccttgat aatgcagac agttgcagta 300
tgggaagaat ggacggggcc cctgggataa atcagagtg gtccctcac ctagaggacg 360
gggacaacga gcttccagag tagcctcatc agtgccttg cagtctgact gtgtacactt 420
gtgtcagcta atgtctgaga gtctgcact gggttacttt atactagtga ggacgttaac 480
cagccatatt ggctcaataa atagcttcgg taaggagtta atttctcttc agaaatcagt 540
gcctattttt cctgaaact caattttaaa tagtccaatt ccactctgaag ccaagctgtt 600
gtcattttta tctgtgaca ttctctccca tgaccccgag aaggggcaga agaaccacat 660
ttttcattta tagatgttg catcctttgt attaaatta ttttgaaggg gttgcctcat 720
tggatggcct ttttttttc ctccagggag aaggggagaa atgtacttgg aaattaatgt 780
atgtttacat ctctttgcaa attcctgtac atagagatat ttttttaag tgtgaattga 840
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```

<210> 506

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (359)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (360)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (361)
 <223> n equals a,t,g, or c

<400> 506
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 cagatcgaaat ctaacggtca ctcagtatcg ttgggtcgtg tggaccagta tctctacccg 120
 tactatcgcc gcgacgttga actcaaccag acgctggatc gcgaacacgc catcgagatg 180
 tgcatagtctg ctgctgctaaa ctgctggaag tgaacaagat ccgytccggc tcacactcaa 240
 aagcctctcg gggaaagtcg ccatgtttctt cgagatatcc ggtacccaat tcgccctata 300
 gtgagtcgta ttacaattca ctggccgctg ttttacaacg tcgtgactgg gaaaacgann 360
 nagga 365

<210> 507
 <211> 2059
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (18)
 <223> n equals a,t,g, or c

<400> 507
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 cgtagtgtgg gtgactcctc cgttccttgg gtcccgctgt ctgtgatact gcagygccagc 120
 catggcgagaa ccgcagcccc cgtccggcgg cctcacggac gaggccgccc tcagtgtgctg 180
 ctccgacgcg gacccagta ccaaggattt tctattgcag cagaccatgc tacgagtga 240
 ggtccctaag aagtcaactg atttttatac tagagttcct ggaatgacgc taatccaaaa 300
 atgtgatttt cccattatga agttttcact ctactctctg gcttatgagg ataaaaatga 360
 catccctaaa gaaaaagatg aaaaaatagc ctggggcgctc tccagaaaaa ctacacttga 420
 gctgacacac aattggggca ctgaagatga tgmagcccaag agttaccaca atggccaattc 480

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agacccctcga ggattcggtc atattggaat tgctgttccct gatgtataca gtgcttgtaa 540
aaggtttgaa gaactgggag tcaaatattgt gaagaaacct gatgatgta aaatgaaagg 600
cctggcattt attcaagatc ctgatggcta ctggattgaa attttgaatc ctaacaaaat 660
ggcaacctta atgtagtgtc gtgagaattc tcctttgaga tttcagaaaga aaggaaacaa 720
tgtgattcaa gatatttaca taccagaagc atctaggact gatggatcac tgtcccgatt 780
caaattatcc ttccagtcctc ttccccttcc tatttcagct gtcccttttc acctaacctgt 840
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ccaactaaat attacttccc ttcaaatctg cctttgaatc atcattttta aaaaaaaatt 1020
aacatgtttt ttgtgtagtt atcttctggg gtttcaattc ctccagaaaca acttttttca 1080
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tccatggatt attaatggat ttaagagggc atcaatcagc tcaactcaag atttccata 1440
catttttagt atttagattg tgccctcaag ttgtagtacc tcacaatacc tccactggtt 1500
tcctgtgtga aaaaaccttca gtgagtttga ccaattgtgt cttggctctt gggtggagt 1560
accgtgtgta gggagtaaac actagaagtc tttagtacaa aactgctcta gggacacctg 1620
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gattttgaaa atctctaatg gctcagaaaa taaaaaacac cagtttgttg atgactatat 1860
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ctgctagaag cactttatgt ttcccttttg ggtgaaatgt atttatgtga gtgcttttaa 1980
aaaatagcaa tacttataga ctgaaataaa atgaaacctc aaataaaaa aaaaaaaa 2040
aactcgagac tagttctcc 2059

```

<210> 508

<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (726)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 508

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ctgaccctgg tggattttga taagttctcc cgccactgtg tcattgggaa agttctgtgt 120
cctttgtgtg aagttgacct ggtcaagggc gggcactgtg ggaaggcgct gattccagct 180
tttcagaatg aagtgagctg gggggagctg cttctgtcac tgaattatct cccaagtgtc 240
ggcagactga atgttgatgt cattcgagcc aagcaacttc ttccagacaga tgtgagccaa 300
ggttcagacc cctttgtgaa aatccagctg gtgcatggac tcaactctgt gaaaaacca 360
aagacgtcct tcttaagggg cacaattgat cctttctaca atgaatcctt cagcttcaaa 420

```

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gttccccaag aagaactgga aaatgccagc ctagtgttta cagttttcgg ccacaacatg 480
aagagcagca atgacttcac cgggaggatc gtcattggcc agtactcttc aggccctctc 540
gagaccaacc actggaggcg catgctcaac acgcaccgca cagccgtgga gcagtggcat 600
agcctgaggt cccgagctga gtgtgaccgc gtgtctcctg cctccctgga ggtgacctga 660
gggctgcagg gaaggcagct ttcatattgt taaaaaaaaa aaaaaaaaaa gacggaaaaa 720
aatgtntcac atactattac atccacacct gcatacacac tcgcaacatg tntacacacg 780
tcacacacac cagacacaca galaccccaa atcctctcag aactgagagg aagctgacta 840
ttgatcacia aatggccgcc ctcagtgagt gaggcctagg aactttccag aagccccatc 900
catagatcac aagctcagtg ggcctgcgc tgggaacttat tggcagtgcc tgcycttgtc 960
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acacccccca cttccgaaac acacaccctac tgggtaaact ctgacacagg tgctgtttcc 1140
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gtaaaatgtg taactagatt atgggccatt tggagaaacc aaatggcaac caaaactatt 1260
ccagtgtcac aagcctttcc tggttaaca gaattgttct tgtgttagct catccaggg 1320
aacgccctgt gggtatg 1337

```

<210> 509

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (720)

<223> n equals a,t,g, or c

<400> 509

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aagtggttct cctgtgagtg taacaagtaa agnagatcat tgtaattac tattttgtat 60
gaatttttgt aaagttaact gtaagaaaac acctgctgac ttgcagttta aggggaatct 120
attctcccca ttcccaaac atgatatgaa tgggcgctga catgtggaga gaatagataa 180
tttgtgtgtt tgcaatgtgt gttttagata aataggattg ggtattttaa ttgacttttg 240
tgaatttaat agcattaaaga ttacctcaa atgaaaaaaa atctcaaaat ttctatttgg 300
tttttgtgca tttcttttta aaatgtaatc atatgatttt agtgtgttag acctgctgag 360
tcttagctgt gtttagaaca tctctattct acattttacct tggtaaaatt tgaactgtct 420
ccatagggtt tgggtgtaaa gaatgtttac tgccctccat ttaaatctcg aaaagggtatg 480
gtggagtgtt tcctctctct acgttaaaaa ccatctctaa aaacttttga aaatatagaa 540
ccattaaagc tgcataatct gagcaaatga atgggtacct tttttttctt atttaaaaga 600
caagaggccc ataaactctg agttacttta aattcttttt ttgatacaa gttttcagag 660
caagaagata aaaatcatgt gttattaaac ccttaaaaaa aaaaaaaa accccggggg 720
cttcttgggg g 731

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<210> 510
 <211> 944
 <212> DNA
 <213> Homo sapiens

<400> 510
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 tctcgcacac agcgtggact cggaggacat gtacgcagac ytggttagcc ccgtgtctctc 180
 agccagctct cggtcccccg cccacagcca gaccaggaaag gagaaaggaa aatctaaaga 240
 agaagacggt gttaaagagg aaaagcggaa aagggtatcg tccacacaac caccctaatc 300
 tgcataaacct ccagcagggg ggaagtctct ccagcagccc tcgacacccc agcaggcacc 360
 cccggggcag cccacagcag gcacatttgt ggcccacaag gagatcaagt tgacactggt 420
 gaataaggcg gctgataaag gaagcaggaa gcgctatgaa ccatcagaca aggcacaggca 480
 gagccctcct ccagccaagc ggcccacac atccccagac cgaggttctc gggaccggaa 540
 gtacggtkcg agactgggct ccccgaaagc agagcggcag agaggccaga actccaaagc 600
 ccctgcagcc ccggctgaca ggaagcgcaa gctgtcacc cagtccaaga gctccagcaa 660
 ggtcacgagc gtgcccggca aagcctcgga tcccgggccc gccagcaca aatcagggaa 720
 ggccagcacg ctgtctcggc gggaggagct gctgaaacag ctgaaggccc tggaggatgc 780
 tattgcagc aagcgggcca agatccccgc gaaagcatag gccgtgcccc gaccggactg 840
 gacgcatttt tatacatagg gtaagcgcag ccatcttgga ttttgacgtt aatgtcttat 900
 ttggctgtg attcttttta aaaagtaaaa aagaaaaaa agtt 944

<210> 511
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (449)
 <223> n equals a,t,g, or c

<400> 511
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 tcttttcctt ctgccacggc gggatcgggc acacaccagc ttgcaagtgc gagcactatg 120
 gagtagcgca ggtctcag ctgtggcgt ggacttaggc aacaggaaat tagaaatatac 180
 ttctggaaag ctggccagat ttgcagatgg ctctgctgta gtacagtcag gtgacactgc 240
 agtaatggct acagcgggtca gtaaaacaaa accttcccc tccagttta tgcttttggt 300
 ggttgactac agacaaaag ctgctgcagc agtagaatt cccacaaaat atctgagaag 360
 agagrttggt acttctgata aagaattctc aacaagtcca ataatagatc gttcaattag 420
 accgctyttt cmaagctggct acttctatna tacacaggtt ctgtgtaatc tgttagcagt 480
 agatggtgta aattgagcct gatgtcctag gaattaa 517

<210> 512
 <211> 3651
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc feature
<222> (1283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3650)
<223> n equals a,t,g, or c

<400> 512
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gcaccgggg cgccgagccg gaggaaggag gttgacatga tgaagaagc attagaaaaa 120
cttcagctca atatagtaga gatgaaagat gaaaatgcga ctttagatgg cgagagatgtt 180
ttattcacag cgagagaatt ttttgtgggc ctttccaaaa ggacaaatca acgaggtgct 240
gaaatcttgg ctgatacttt taaggactat gcagctctcca cagtgccagt ggcagatggg 300
ttgcatttga agagtctctg cagcatggct gggcctaacc tgatcgcaat tgggtctagt 360
gaaatctgcac agaaggccct taagatcatg caacagatga gtgaccaccg ctacgacaaa 420
ctcactgtgc ctgatgacat agcagcaaac tgtatatatc taaatatccc caacaaaggg 480
cacgtcttgc tgcaccgaac cccggaagag tatccagaaa gtgcaaaagg ttatgagaaa 540
ctgaaggacc atatctgat ccccgtaggc atgtctgaac tggaaaaggg ggatgggctg 600
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gggwaaggcg caagagccga caggcaaggc cgaatgaact gtgcccactc ctgtgttttt 720
ccttgacaat ctactgtgcc actgtgctac taactcttgt ttacaaaaat tgattctaag 780
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<210> 513

<211> 1936

<212> DNA

<213> Homo sapiens

<400> 513

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<210> 514

<211> 1177

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<400> 514

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<210> 515

<211> 932

<212> DNA

<213> Homo sapiens

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<220>
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 <222> (880)
 <223> n equals a,t,g, or c

<220>
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 <222> (911)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (912)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (921)
 <223> n equals a,t,g, or c

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<210> 516
 <211> 1159
 <212> DNA
 <213> Homo sapiens

<400> 516
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<210> 517

<211> 2451

<212> DNA

<213> Homo sapiens

<400> 517

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<210> 518

<211> 989

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (871)

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<220>

<221> misc feature

<222> (891)

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<220>

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<222> (910)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (913)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (926)

<223> n equals a,t,g, or c

<220>
 <221> misc feature
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 <223> n equals a,t,g, or c

<400> 518

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<210> 519
 <211> 3315
 <212> DNA
 <213> Homo sapiens

<400> 519

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<210> 520

<211> 2361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1212)

<223> n equals a,t,g, or c

<400> 520

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<210> 521

<211> 2521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1721)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2516)

<223> n equals a,t,g, or c

<400> 521

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<210> 522
 <211> 1303
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1279)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1286)
 <223> n equals a,t,g, or c

<400> 522
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<210> 523
 <211> 1100
 <212> DNA
 <213> Homo sapiens

<400> 523
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<210> 524

<211> 1963

<212> DNA

<213> Homo sapiens

<400> 524

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taaatataat agtgaacttt ttaaaaaaaa aaaaaaaaaa aaa 1963
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<210> 525

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (782)

<223> n equals a,t,g, or c

<400> 525

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<210> 526

<211> 2599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2410)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2461)

<223> n equals a,t,g, or c

<220>

<221> misc feature
 <222> (2475)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2500)
 <223> n equals a,t,g, or c

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```

<210> 527
<211> 1305
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1293)
<223> n equals a,t,g, or c

```

```

<400> 527
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ggagaaaacg agccccaagg ctccgctact gaaagtccag cccacagcagc ctggaccttc 180
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cacgacgcta tggatccagc aggtgtccag cacccttagc accaggatgg acgtgtgtgca 360
cctccaggag cagttagact taaagctgca gcagcggcag gccagggaaa caggcatctg 420
ccctgtccgc agggaaactct actcaccagt ttttgatgag ttgatccggg aggtcaccat 480
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ttctctgcc ctcaaaacttt tagttcacaa ttcattctct accttaactt ggggsttctt 1260
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```

<210> 528
<211> 1631
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1628)
<223> n equals a,t,g, or c

```

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<400> 528
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gagccgagcc gagccgagcc ggagcgggag gcgaagcccg gcgcggcgag cagcaacct 120

```



```

gtcgggtgttc  gggaaagctgt  tcgggggctgg  aggggggtaag  gccggccaagg  gccggcccgac  180
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gttctctggag  aagaaaaatcg  agcaggagctg  gacggccgcc  aagaagcacg  gcacccaaaaa  300
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tgataactga  tagataactc  attggaaacg  tgcatacatt  tatattcaga  tgaattatg  1560
gtttgcactg  tctattaaat  atctcgatta  attttcawaa  aaaaaaaaaa  aaaaaaccgc  1620
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<210> 529

<211> 1944

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<400> 529

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aggagtctct  cttcatggat  gaggaggagg  aggatgaaat  ccgtgtgtga  gccggacagt  120
gggtggccac  cgggagctct  tggtgtgcat  ttctccctgc  ccccaaccca  ctatgacctt  180
tgaccctatg  gcgcaggggc  agccaggacc  ctgtattcag  accatggacc  ctggaccttg  240
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tgccgactgg  ctgcctgact  tcatcatgct  ccttgcaact  aggcctgcgt  ggacaaggcg  360
tgtttgtgca  cagcaggaat  aggttttctt  ctgttgccct  cccttctctc  caccctggcc  420
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ctgagctgga  cggggggcca  gctgcgagca  tgtgcactaa  acgcagccct  ttccagggga  720
agagaaacag  atggagaatg  gaaggaagc  ccccaggc  tctgtgaatt  caaagaaggga  780

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<210> 530

<211> 1425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1411)

<223> n equals a,t,g, or c

<400> 530

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agggaagaga aaagaaaaaa gaatgtgcgg caagaggaga agactatgag aaagtgaagt 360
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atctgatcat gtacagttcc ctttttaaaa agcaataaat gcttgggatt agaatttcaa 1380
aaaaaaaaaa aaactcgggg gggggccent nccccattgg cctt 1425

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<210> 531

<211> 1466

<212> DNA

<213> Homo sapiens

<400> 531

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gaccatcact cattaagaac agaggaggct gcctgttact cctgggtgtg catccctcca 180
gacactctgc tgtttctcgc cttagcgctg ctgcagccat ggctaggaaa gcgctgccac 240
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<210> 532

<211> 1658

<212> DNA

<213> Homo sapiens

<400> 532

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```

```

cccgccggcg cgccgcgagg gccatgctag ccttcgcggt ggccgcggcg tcgtgggggg 180
ccctgcgcgg cgccgcgttg gctccgggaa cggcgccgag taagcgasgc cctgctgggc 240
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<210> 533

<211> 2857

<212> DNA

<213> Homo sapiens

<400> 533

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<212> DNA

<213> Homo sapiens

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<222> (1334)

<223> n equals a,t,g, or c

<400> 534

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<210> 535

<211> 2818

<212> DNA

<213> Homo sapiens

<400> 535

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<210> 536

<211> 1397

<212> DNA

<213> Homo sapiens

<400> 536

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<210> 537

<211> 1233

<212> DNA

<213> Homo sapiens

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<222> (1111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1202)

<223> n equals a,t,g, or c

<400> 537

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 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (147)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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<210> 540

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (978)

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<222> (1027)

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<220>

<221> misc feature

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<223> n equals a,t,g, or c

<400> 540

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gccatgnacc ctcttgcctg ggtncacagc ccatttcagg gaggggnaag ggttcaggtt 1080

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<210> 541

<211> 2259

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2253)

<223> n equals a,t,g, or c

<400> 541

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cgggcttata aaaatctgtg ccatcatggt gattttatcc aagactgctc cacttaccoc 180
agtgcgtggg acaagtttct gtgaaacct tagatagcag aattatttgc aatttgtagc 240
atagaaaaaga tttttaaatt tttttacaaa aggtttttta acagattagg gtagggtatg 300
gtttaaataca ataaagtggc attgaaaacc tagggtttcc ttttgattaa gaggcctttt 360
tgtttctgct ctttgcacgc tttcaggggg gaaggaggcc actggaaaaa tatttcccta 420
agtgcaggct gttgactgcg tatgccaaaa agggacagga ggcattgggt agcagggtctg 480

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gtgacacagc tagggtcttc ctacagctc ctccctctcc ctcccaagcc cccaggaat 540
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gggtcctgtr tctctggagta ttatgtcttc ccaccttctg cagtttcttc tgaacatgta 660
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cccatattct tctactgcc ttaactctgg tatacaccaa aaagaaatct ttaacttctc 2160
tgttttatca ttataaaaat aaagtatttt gctagtattg aaaaaacctt tgnatttgac 2220
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<210> 542

<211> 1347

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1290)

<223> n equals a,t,g, or c

<400> 542

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tcgacccaag cgtccgggag gcgcggacag cgttcggkgc tgtgtgccgg cgcctctggc 60
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tgcttctcag taccaatatg aagtgggtac agttttcaaa cctacacgtt gatgttccaa 180
aggatttgac caaacctgtg gtaacaatct ctgatgaacc agacatatta tataagcgcc 240
tctcgttttt ggtgaaaggt cagcgaataagg ctgtattgga cagttatgaa tattttgcgt 300
tgctctgcgc taaggaaactt ggtatctcta ttaaagtaca tgaacctcca aggaaaatag 360
agcgatttac tcttctccaa tcagtgcata ttacaaagaa gcacagagct cagtatgaaa 420
tgagaacact taccagatgt ttagagttag aacatctaac tggaagcaca gcagatgtct 480
acttggaaata tattcagcga aacttacctg aagggtgtgc catggaaagta acaaaagcac 540

```

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aattagaaca gttaccagaa cacatcaagg agccaatctg ggaacacta tcagaagaaa 600
aagaagaaga caagcataa agcctcaggg aggccatttt tgccataaact tgaatgagg 660
gtgggcccaga tgagtatggt taagtggaga gtgcttccag ctgagatgat ttgagttctgy 720
cctaactgctt ccatttgagtt ctctggccct catcagctga gggcaggaaa tggaaacttta 780
atggaagaac cacttttatt tattcttttt attcattggt tcagttctga ttccagcaaa 840
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aagtgtcttg agtgttcgta cctttatttt tttttaagat tctagaagg aaacttttgg 1020
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gaactttata gagtggccta ccagggttac tgaatggaaa tttatgatct taagaaatta 1260
ctagttgtat tatttatctt atgattcatn cattcaataa gcttttactg cataaacttt 1320
acattcagca ctgtagttaa gtaccca 1347

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<210> 543

<211> 1901

<212> DNA

<213> Homo sapiens

<400> 543

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ggacaaatta aggatgaac tcttcaggct gcagtttagg aaattttggc cctaatttgc 60
tatgtggatc cagtgaagg gagaggaaac cgaattctct caattgatgg tggaggaaaca 120
agggggcgttg ttgctctcca gacctcacga aaattagttg aacttactca gaagccaggt 180
catcagctct ttgattacat ttgtgtgtga agcacaggtg ccatattagc ttcatgttgg 240
gggttgtttc atatgccctt ggatgaatgt gaggaacttt atcgaaaatt aggatcagat 300
gtattttcac aaaatgtcat tgttggaaaca gtaaaaatga ttggagacca tgcattttat 360
gacagtcaaa catgggaaaa cattcttaag gataggatgg gatctgcact gatgattgaa 420
acagcaagaa accccacatg tcttaaggta gctgctgtaa gtaccatagt aaatagaggg 480
ataacacca aagcttttgg gtccagaaac tatggtcatt tctctggaat caactctcat 540
tattttgggag gctgtcagta taaaatgtgg caggccatta gacctctc tcgtgctcca 600
ggctactttg cagaatagc attgggaaat gatcttcac aagatggagg ttgctctctg 660
aataaccctt cggcattagc tatgcatgag tgaatagtc tttggccaga tgtgccgtta 720
gagtgcatag tatccctggg cactggagct tatgagagtg atgtgagaaa cagggttaaca 780
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gtccataata tgcttgatgg cctgttacct cctgacacct attttagatt caactctgta 900
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gaagggttga aatacataga aagaaatgaa caaaaatga gaaaagtggc tttaaatatta 1020
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tctgaaggca tctcattctt ttcaaaaattg tgatgagat atgcttatgt tctcataaat 1140
gaaggtctgt ttagaagatc aaccacattc aataaggaaat tgggggttc gacattagtt 1200
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cactagctat gttctccaat ccacactgcc ttttatgtga atatcatca aatagatgca 1620
gaaaaatgga attttctcta taaagtattt ttacatttga cataaaaaag aaccagatgc 1680
agtttctcat tcagatattg ttaatttaac attgttttgg taaaaaaggt taagttccag 1740
tcaaccactt tttaaccctg aaatttcaag ataagtctat attaaacttt ccagatctaa 1800

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cactagctta ttcttccctg ttataaaatg gtttgaactt actgaggaga tattcctatc 1860
 attacaacaaa ataaactatt taataawaa aaaagtcgac g 1901

<210> 544

<211> 842

<212> DNA

<213> Homo sapiens

<400> 544

ctgacagtac cgggtccggaa ttcccgggtc gaccacacgcg tccgaacagt gttctaacta 60
 ttaacgctac gatgcctcgt cctaccaagt ctgctcctgc cccaaagaag ggctccaaga 120
 aggcggtgac taaggtctcag aagaaggacg ggaagaagcg caagcgacg cgcaaggaga 180
 gctattcagt gtatgtgtac aaggtgctga agcagggtcca tcccgacacc ggcatctctt 240
 ccaaggcaat gggggtcatg aattcctctg tcaacgcacat ctccgagcgc atcgcaggcg 300
 aggtctcccg cctggcgcgt tacaacaagc gctcgaccat caccctccagg gagatccaga 360
 cggccgtgag cctgctgctt ccgggggagc tggccaaagca cgccgtgtcg gagggcaca 420
 aggcgctcac caagtacacc agttccaaat aactttgcca agggagagac atgaagacag 480
 agggagaaatg aatgcataaa ataactgata ataatgaatc atacatagaa cttaggaagt 540
 ctcatctgcc tgaaaatgac tgtgtggatg ccaccctaat ccaactcact ctggtttgct 600
 gcacactggt tcatcaaaaag aaggttacgc aggggaagga actaaagggt tttgctacttc 660
 atgttacttt ttgagtttat aaacataaaa acagaattta ctctgttacc agaccatagt 720
 actgggaatt cattacttgc catggactac ctttgctaag aaaagctcga atgagagaat 780
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 aa 842

<210> 545

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (652)

<223> n equals a,t,g, or c

<400> 545

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 ctctttgccc cagccacttc ctctcctcgc ctccacctcc ccagtgcaat gaagaaggta 120
 accgggtcca gaccacacgc gcgccagttc tccggcgagg aggaacacgc cgcagagagg 180
 cagcaatgaa tgtggtcac gaggttaacc tcttagtgga ggaatctcat cgtttgggtt 240
 caaaaaatgc tgaatgaaag ttaagcgtga aatttggggt cctcttccgt gatgataaat 300
 gtgccaacct ctttgaagca ttggtaggaa ctcttaaaag tgcaaaaacga aggaagattg 360
 taacatatac aggagagctg ctctcgcaag gtgtctatga tgatgtgac attatattac 420
 tgcaagatta atgtggttta catatcttta tgaactgccca ttttttgttt ctggttaaac 480
 ggaatacaaa gtgaagaac aaacatttga acatacttaa tgaattttta tagaaccttg 540
 taaacgaag gagattcatg ttttagaagt ctgtcccttt ttatatcttg aaagaaaatc 600

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tatgtatgat gctataaaaa aatccctatt atttctctmag natmtggtg anattctgcg 660
aaagcaacaw gcaaaactgaa gaccaactcc tatgagaaat attatgatgt ttatgttaata 720
aagacatgta actgtcttaa awwwaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 778

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<210> 546

<211> 2142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<400> 546

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aagtcagatc atgaagaact ttcaggctcc tccacaaatc tcgctgacca taacctttct 180
tcttgccgag accacgatga tgcaacctca acccactcag caggncaccc cagggccctc 240
cagtgggggc catgcttccc agagcggaga caacagcagt gagcaagggg atggtttaga 300
caacagtgta gcttcacctg gtacagtgac cgatgatgat ccggataaagg acaaaaaaac 360
ccagaagaaa agaggcattt tccccaaagt agcaacaaat atcatgagag catggctctt 420
ccagcatctc acacatccgt acccttccga agagcagaga aaacagtag cgaagacac 480
aggacttaca attctccaag taaacaactg gtttattaat gccagaagaa gaatagtaca 540
gcccatgatt gaccagtcaa atcgagcagg tttcttctt gatccttcag tgagccaagg 600
agcagcatat agtccagang gtcagcccat ggggagcttt gtgttggtat gtcascaaca 660
catggggatc cggccctgcag gtttgcagag catgccaggg gactacgttt ctcagggttg 720
tcctatggga atgagtatkg cacagccaag ttacactcct cccagatga cccacaccc 780
tactcaatta agacatggac cccaatgca ttcattttg ccaagccatc cccaccaccc 840
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tactttttgt catttttcat caagcaacag aggaccaatg caacaagaac acaattgtga 1140
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gttttcatgc ccggccttg ttccctcata aatgtgtcct ttagtttcaa acagatcttt 1560

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ttgtggacaa  aacaatctta  agttgggagc  ctttcctcaa  cacaaaaaaa  gttattaatg  1740
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<210> 547

<211> 1893

<212> DNA

<213> Homo sapiens

<400> 547

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agcatgaatt  ggaactgcaa  tgaaagtc  atttacttta  aaaagaaatt  aatatggctt  180
caccaagaag  caaagttcaa  cttatttc  aattgectac  atttatcatg  gtccggaatg  240
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ccgctgcccc  atgtgtcctg  gtgagaaaa  atagcctgtg  cacagctttt  gtatagaaaa  720
ttcttgagaa  gtaactgtcc  gctagaagtc  tgccaaaatt  taaaatgtgt  gccatattct  780
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cagttatgtt  tgaatgaacc  ctctttttct  ctgagattct  ggtccctgga  aatcccttct  960
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ctgtagccac  taccgatttt  gttattttgc  aatttgagcc  atttaagac  caataaactt  1860
ctttttttta  aaaaaaaaaa  aaaaaaaaaa  aaa  1893

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<210> 548

<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 548
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ccagttctta ctgacctgtg cagactttga ggggaaggtt gtgaagactt cggttgtgtt 180
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gagaaggaaag actcttgacc ttttctctgg gcaactctrc agtccctccc tcctttcggg 420
aggtgaagga tactgggttt ttgatgcct tgtccatcct gtctggttgc aatgttttgc 480
tcccagaaga gaatcagatc atcatgtggg gattaccatt gtctctggag tactcttacc 540
cttagttgaa tttccttatt aaagtatat ttttctataa gaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa 630

<210> 549
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

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<400> 549
ggcaccgaagc cgcgtttgta ctgtgtctta ccatgcctga accggcaaaa tccgcctcgg 60
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<210> 550
<211> 1586
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1574)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1585)
<223> n equals a,t,g, or c

<400> 550
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tggctcaagtc ggcgggaaaa tattcccccc aaggagttcc tctttaaaca cccgaagcgc 540
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<210> 551

<211> 2143

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1602)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2086)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2097)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2140)

<223> n equals a,t,g, or c

<400> 551

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1608)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1623)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1629)

<223> n equals a,t,g, or c

<400> 552

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<210> 553

<211> 278

<212> DNA

<213> Homo sapiens

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<400> 553
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<210> 554
<211> 2658
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2128)
<223> n equals a,t,g, or c

<400> 554
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<210> 555

<211> 1728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1641)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1642)

<223> n equals a,t,g, or c

<400> 555

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<210> 556

<211> 3355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<400> 556

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<210> 557

<211> 1079

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<211> 724
<212> DNA
<213> Homo sapiens

<400> 558
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<210> 559

<211> 3125

<212> DNA

<213> Homo sapiens

<400> 559

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<210> 560

<211> 2645

<212> DNA

<213> Homo sapiens

<400> 560

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<210> 561

<211> 1717

<212> DNA

<213> Homo sapiens

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<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (427)

<223> n equals a,t,g, or c

<400> 561

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<211> 2417

<212> DNA

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<222> (2398)

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<400> 562

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<210> 563

<211> 1544

<212> DNA

<213> Homo sapiens

<400> 563

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tgtttttgct ttccatttgg tggaaattgaa ataattagtt ttaattacca taagatgctt 780
gtttgtctatt tgggtgaaga tagatgttca tattgaagca gtcaaccttg tcttagttt 840

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caataaaaga aaaaagaagt attctgtagc ctatatTTTT catagagctc atgagcattt 900
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aagtatattt gcgtgatggg tacactagaa gccagactt tacgactaca caatatattc 1260
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aaagaagtca tggaggcctg tgcatttgaa ttgtatatgc tagtgaggaa aagattttaga 1500
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<210> 564

<211> 2299

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<400> 564

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gtctattcat cacttttagc ctttgatttc tttttttttt ttccctctat tcttcccn 180
ccccccccc cgccectttt ttttytytt gcaaaaccat tttttgggt gataaccgat 240
gagcttttcc ctttgcaactg aatgatgttc tctccgtctc atcggcagta tggggggcag 300
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gacttaggat tattaatgaa agtggtgcac cagtttttcc atgttgtaaa actaaagaat 480
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aaatTTTaaC agtacaGaaT ttGccatCaT atCattTgcCt tgattCtaac tgtttGtGtc 1380
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<210> 565

<211> 364

<212> DNA

<213> Homo sapiens

<400> 565

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ggGctgtGca gcagcaatGg cCctaaggat gCctgggCt ggacaggcca aggggatCct 180
aggagGctGg gggatcatCt gCttggtgat gTctCtactC cTccagcacc caggagTcta 240
cagCaagTgc tacttccaaG cTcaaGccCc cTgtCactat gaggggaaat attttaccct 300
gggtkArtCt tGgtccGca aggactgtTt ccattGcacc tGtctGcatc cTgtGcgTg 360
ggct 364

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<210> 566

<211> 2481

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1214)

<223> n equals a,t,g, or c

<400> 566

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cgatGtccc gGcTcGgCc agGctcGggG cGggtagcGc ttcGtctcGg agccgggGgc 120
cttCtCctac gCcgactTtG tGcggggCct cTgGtGccc aacCtGccCt gCgtGtttC 180

```

```

cagcgccctc acgcagggct ggggcagccg gcggcgctgg gtgacgcccg cggggaggcc 240
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gttcaggaa tacaaactcga accccaaaga gcacatgact ctccagagact acatcaccta 360
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aacaaaaaaa aaaaaaaaaa a 2481

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<210> 567

<211> 1364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1362)

<223> n equals a,t,g, or c

<400> 567

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aaaagatgaa acggaccctt ttaaaagatt ggaagaccgc tttagctac tctttacaaa 180
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attttcaaac caaaactctg attgccaga atatacaaga agctacaagt ggctgtctta 540
caactgcccc gaaaagggtt tacagcttga tggagaacaa ctcttatcct cgtttcttgg 600
agtcagaatt ctaccaggac ttgtgtaaaa agccacaaat caccacagag cctcatgcct 660
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cagtaacagt gaagtgttta ctatgtgcaa sggtattgaa gttcttatga ccacagatca 1140
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ccaaaatact ctcttgaggc cagctacact ttgaaagtgt ctttgaatac ttttaataaa 1320
tttattttga taaataatat tgaamaaaaa aaaaaaaaaa ancc 1364

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<210> 568

<211> 1606

<212> DNA

<213> Homo sapiens

<400> 568

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tctcaggggc cagatacttc aaccagcctt tggctcatca caggattcag cccctcagca 180
agggcggaag tgccaacctg tgcctggag atgtcatcct ggctattgac gggtctggga 240
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gtctcaaaat tgacagggga gaaactcact tatggtctcc acaagtatct gaagatggga 360
aagcccatcc ttccaaaatc aacttagaat cagaaccaca ggaattcaaa ccatttggt 420
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atcgctctca cggacagctg cggggtctca tctctagctc acctcaaaac gaggccacag 600
cctcgggtgc ccccgagtgc gacgtgtacc ggatgctcca cgacaatcgg aatgagccca 660
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gtgaaaaaaa catacactta gctatgtttt gcaactctct ttggggctag caataatgat 1260

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 aaaaavaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggg 1606

<210> 569

<211> 1385

<212> DNA

<213> Homo sapiens

<400> 569

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 gttcaggact ccgacttga cactgatat tttgctaagc aggttaattaa taatgcttgc 480
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 ggtatgagatt ttgaaatgc ttgacagttg cctataatct gtgatgacat aaagattatt 1320
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<210> 570

<211> 1144

<212> DNA

<213> Homo sapiens

<400> 570

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 ccgtttccag agccgcggcc ctccaggcgt ggaagacggg gacagggcac agccttccctc 180
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 cttcacaggga gaaaggagac ccaaagatga ccaagtgttt gaagccgttg gaaatcacaga 300
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accatgctcc tcggcccggg aggcctcaact aaagtatacc acgttcaagg cggggcccat 480
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aaaa 1144

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<210> 571

<211> 2754

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2611)

<223> n equals a,t,g, or c

<400> 571

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agacgtgaa caaatgtgag atctccccc aggagaggcg gagagctgag ctgactacc 1260

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<210> 572

<211> 2657

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1285)

<223> n equals a,t,g, or c

<400> 572

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tgtagggcct gctgggtgtt gctagccgct ggtcccccag cagggtgcac tttctccacc 780
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```

```

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<210> 573

<211> 2352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2096)

<223> n equals a,t,g, or c

<400> 573

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atcctgacat cgaggcccgag gagagaggag tccggtgtct acttgagaaa cagctcccca 180
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```

```

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aaaaagtcga cc 2352

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<210> 574

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<400> 574

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tttgtgtgct  ttctccaaagt  tgcccttcaa  agagcctgct  tgcggttgag  ccagaagatg  240
tctcgtgtga  aggcctgggt  ggcggtctgc  ttggaacctc  tgtgagcagg  aggccttaag  300
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<210> 575

<211> 1678

<212> DNA

<213> Homo sapiens

<400> 575

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<210> 576

<211> 2508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
 <222> (2443)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2464)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2472)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2494)
 <223> n equals a,t,g, or c

<400> 576
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<210> 577

<211> 1531

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1531)

<223> n equals a,t,g, or c

<400> 577

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<211> 1244

<212> DNA

<213> Homo sapiens

<400> 578

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 2528

<212> DNA

<213> Homo sapiens

<400> 582

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<212> DNA
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1931

<210> 585

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1018)

<223> n equals a,t,g, or c

<400> 585

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<210> 586

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (617)

<223> n equals a,t,g, or c

<400> 586

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agtggtgkxc atagacacca atgggacagc aagagctcct armctgggtg tgctgagatm 720
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<210> 587

<211> 847

<212> DNA

<213> Homo sapiens

<400> 587

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atagtgaata ttacaactct ttgaaatgga tcctggagaa tgaccctact gagctggacc 780
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<210> 588

<211> 2158

<212> DNA

<213> Homo sapiens

<400> 588

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gccatggata agtattctta ctgttgcact gttctgtgcy gagataaagag gttacagcaa 420
attacatgat gacctaggag agtttccata tggattgttt gaacttgtcg ttagtataat 480
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<210> 589

<211> 2299

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

<400> 589

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<210> 590

<211> 2180

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1353)

<223> n equals a,t,g, or c

<400> 590

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<210> 591

<211> 1193

<212> DNA

<213> Homo sapiens

<400> 591

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<210> 592

<211> 2002

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1914)

<223> n equals a,t,g, or c

<400> 592

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tcatttccat ctagtttttg gaaaaacctt gtggataagt ggctgtttca tcagtaagca 540
gctcttgtgt ttagttata aaaggcttta gtactctaaa aatactctgt atttcacatt 600
tcactcttag atggcaacat tggacagaaa atgcaatgac ataaccaatt tgaatgatt 660
ttggaactgt gtttcaaatg gactgttaca gactgaaggg tgtgaacagc ttgttatgt 720
tatgaagggt aagggaaatt aatacttttc cacagatttt ttgttaaggg gaagagggaa 780
atgtacactt tttacagcag caatattttg tatattatgt ttatttcatg tgggtaatat 840
gcaaggcggg acactacgca ctggacagca tcagaaatcc tctgttaatg tggactggag 900
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taaatgttaa taagcagaac atactgttct caacatactg taatcaaaaag gggnaatttc 1920
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caggtttttt gggttttgtt tt 2002
```

<210> 593

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 593

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agttgggaaa tctagagaca accatatctg ttactttcca tcctggttat atttcttaat 180
tagactcgga gttctgaatg aagtcccttt taaatagagc agttaatgcc atttctgtct 240
ctgcaggttt cacaagtagt gtttctaaat gagctctata atctgaaacc gggtcatctt 300
tcttttgccc acaagattat gtgattgacc aatcaatttt ttgtggaaaa gccctaggga 360
ttgaatttaa aagatcttca gcaattcttc cagttccttt ttgctctctc ttgggggttt 420
ggagtgtgtc ttagtatcct caggctgttk ccattctgct cctgctgtca attttcaagc 480
tyaccagtat catgtgaata aattggtaaa gattagagag tcctgaatca taagctctta 540
tgaggattct caattttcca gtacgttttt gagtattttc tcttgatta gtttaagctt 600
tatgatggct ctaagctcag ctttagacca tggagtaaaa gtggttacag caggcaggct 660
ggttgactag agagtctcac tttgtaaggc atttgtccaa cttccctttt ttcattagcc 720
tcaagagaaa aaggttaact agcaaaaggg ttactgtact caaagcatcg aggcacaaag 780
gagacagaga aggagcaatc caggttcatg tgcgtcatga gcctttcatt tgcgttttgt 840
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ttaaatagca tcccggttgtt tttgtggcgt ttctgatctt tctttttyta atgtgtccca 960
taataaaca gttttattta aagtttaaaa aaaaaaaaaa aaagaaaaaa agaa 1014

```

<210> 594

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<400> 594

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ggcccccttc tgcccttgag cttctcctct gctccaacag acaccttcca cctcagggtc 120
tcaccttcgc ctctgctgaa gtctccccgc agccctctcc acccagaggt ctcctataac 180
cgagacccc catccttcca tctcaggagc cggcccaacc ctgcgagccc cccactcaat 240
angtctgaaa gggcttcatt tggaccgaaa caaccgggtt aaccttacia gntcttcaa 300
gctcccttaa ggaaccttcc aaccaaaanc ttc 333

```

<210> 595

<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<400> 595
ctcgcgcgcg gccgcgcgcg cctcacaana tggcggcccn atagaggaga ccgcgcgcgc 60
ctccccggcc caattttgtg gagcgagag atctgtcaac atggaaaacc tctgctgagg 120
atgcatccga gtttgaaac ccacttaag ggatggagcc tgggggatca cattaacagg 180
aaaatgccaa cgactctac cactctacg cgtttttagt ttttcatttt ctcgaaaggaa 240
gcgcagaaag cctgtggagt aattgtaact agagggagaa cggaaaagctg aggtgactgc 300
tcgggggact tggcgcgcgc ccttgggtggc tttgggtgct ctccacgct ccggcgagct 360
gaccagaatc tcttgaggg tctcctgggc cactcggcc gcgccagtcg tgcagtgaga 420
cttctgtagt ttaaaatgc cacagtcac gccccggtcg gccaccgctcg cctgaatcgt 480
gggctttggg aaccttggag gctgctgctc caggaaactcg cggtcggccg ggagccgggg 540
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cgggatccca gccgggatg acgatgtga tggagctgat ggggcaagag tgggaacgga 660
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cgctactcct gccatgtgga tcaccaagat acaatttctg gtcctgtctg ttcttattga 780
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ctctattac atttettatt accatattgc atttctata gtgggcagca tagagcaggt 960
ggatcctgac aaagtaagt tagagatgtg ctgcagcgtg tcaaatagat attctccaac 1020
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ttctattaaa aaaattacca ataacagtgg aaaaaaaaaa 1120

<210> 596
<211> 532
<212> DNA
<213> Homo sapiens

<400> 596
cgcatctttt tcaactctct taatgctctg taaacattaa tgtatttata tatgtactta 60
gaatttttaa aaatcaattt tattgagtta taattaacat acagtaaaaa tgctcccatc 120
ttgagtaatt ccattgcctt tgacaagtgt tctgtaccca tgccacgacc accaagatcg 180
agagagaaca tcttcacac tcacagaagg ctcttttgca gtgagtactc ctacggagtt 240
ccagcggcggc gtgacattga tctgttttct gtcactgtag atgagatttg tctgtatat 300

```

acaattttta aaaattaaat gatatgtatg gcttcttttg cttagcataa tgtttttgag 360
cttattcatt tgttgcatat atcaataactt tgcctctttt taccacctgt acttcattta 420
tggatagcgt gtttatccat gtgtttatcc ccaatggaca ttgggttggt tctgattttt 480
tggttattat tatgaataaa gttgctatga acattattgt ataaaaaaaa aa 532

```

<210> 597

<211> 1494

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1483)

<223> n equals a,t,g, or c

<400> 597

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aagggtacag ccggtgtgcaa tggagagtgc aaagacctaa gccttgatga ctttaagggg 180
aaatatttgg tgcctttctt ctatcctttg gatttcacct ttgtgtgtcc tacagaaatt 240
gttgccttta gtgacaaagc taacgaattt cacgatgtga actgtgaagt tgcgcagtc 300
tcagtggatt ccacttttag ccatcttgcc tggataaata caccaagaaa gaatggtggt 360
ttgggccaca tgaacatcgc actcttgcca gacttaacta agcagatttc ccgagactac 420
gggtgtgtgt tagaagggtc tggctctgca ctaagaggtc tcttcataat tgaccccaat 480
ggagtcacat agcattttgag cgtcaacgat ctccagtg gcggaagcgt ggaagaaacc 540
ctccgcttgg tgaaggcggt ccagatgtga gaaacacatg gagaagtctg cccagcgaaac 600
tggacacccg attctctac gatcaagcca agtccagctg ctccaaaga gtactttcag 660
aaggtaaatc agtagatcac ccatgtgtat ctgcaccttc tcaactgaga gaagaaccac 720
agttgaaacc tgcctttatc attttcaaga tggttatttg tagaaggcaa ggaaccaatt 780
atgcttgtat tcataagtat tactctaaat gtttggttt tgaattctg gctaagacct 840
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ctagctagtt tctacagaac ataatttgcc tctatagaag gctattctta gatcatgtct 960
caatggaac actcttcttt cttagcctta cttgaatctt gcctataata aagtagagca 1020
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cagagtgcagt taactgatca tgcattgacc ctcatccctg aaattgagt tatgtagtca 1260
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gtaatcgatt ataaaggata ttatatcaat ccaggggattg cattttgaaa ttataattat 1380
ttctttgtct gaagtattca ttgtaaaaaa tacaaaaata acatatttta aaacatttgc 1440
attttaccac caaaaaaaaa aaaaaaaaaa cctcgggggg ggncccggtc ccca 1494

```

<210> 598

<211> 2188

<212> DNA

<213> Homo sapiens

<400> 598

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tgcggcttcc actccttcag gcgtcggcag ccactagtgc tggcgagagc ggccgggggtg 60
ccggggcgct cgctccactt ggcccccgtc cccggccgcg ccgcccgcg sgccccctg 120
atgaggggtat atattcggag ygagcggcgg acscgatgag tgcccgcgcg gaaggagcgt 180

```

```

gagacggctg tagctcggtt cgcgcgaga aagggtttaca ggtacacata ttacaccctt 240
attttacaaa agcttggcta ttagagcatt atgaacatta atgacctcaa actcacgttg 300
tccaaagctg ggcaagagca cctactacgt ttctggaatg agcttgaaga agcccaacag 360
gtagaacctt atgcagagct ccaggccatg aacctttgagg agctgaactt ctttttccaa 420
aagggcaattg aagggttttaa ccagctcttc caccaaaaga atgtggatgc acgaattggaa 480
cctgtgccctc gagaagttatt aggcagtgct acaagggtac aagatcacgt ccaggctctg 540
gaaaagtgaag gacttttcca gatttctcag aataaagtag cagttctctt tctagctggt 600
gggcaggggga caagactcgg cgttgcatat cctaaagggga tgtatgatgt tggtttgcca 660
tcccgtaaga cactttttca gattcaagca ggcgctatcc tgaagctaca cgagttgct 720
gaaaaattatt atggcaacaa atgcattatt ccatggtata taatgaccag tggcagaaca 780
atggaattcta caaaggagtt cttcaccaag cacaagtagt ttggtttaaa aaaagagaat 840
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gaagagaaga acaagtttct tatggctcca gatgggaatg gtggtcttta tcgggcactt 960
gcagcccgaga atattgtgga ggaatggag caaaggagca tttggagcat tcatgtctat 1020
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gccacgatg gaatagcttt tatttttgat agaccaactg tgaacctaca agcgtcttg 1920
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tgcaaacctc ccaagatcca gatgactgaa ttcatagat catttttatg atttccaaact 2040
cattgaaggt cttatttata taattttttc caagccaaag agaccattgg ccatccagga 2100
aatctcgta cagctgcaagt aaactgatgt tgaacatccw gctwtayttc agctggaagc 2160
atttgttttt gaagttgtac atagtaat
2188

```

<210> 599

<211> 1273

<212> DNA

<213> Homo sapiens

<400> 599

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gagtttttta attgagaagt ttaattcaga agtttgtttt tgttgctctc gatttaacat 180
tttatatttc ttttgaaaaa ttccaacag agctcaaatg atacttttc cacagcaatg 240
cacattgctg ctgcaataga agtctcatga gtactgttac caggactaca gaagtacat 300
gatgctcttg atgcaaaatc caaagagttt gcacagatca tcaagattgg acgtactcat 360
actcagatg ctgttccact tactcttggg caggaaattt gtggttatgt tcaacaagta 420
aaatatgcaa tgacaagaat aaaagctgcc atgccaaaga tctatgagct cgcagctgga 480
ggcactgctg ttggtacagg tttaaatact agaattggct ttgcagaaaa ggtgtctgca 540
aaagtggctg cacttacagg cttgcctttt gtcactgctc cgaataaatt tgaagctctg 600

```

```

gctgctcatg acgctctggt tgagetcagt ggagccatga acactactgc ctgcagctctg 660
atgaagatag caaatgatata tcatgttttg ggttctggtc ctccgtcagg tctgggagaa 720
ttgatcttgc ctgaaaaatga accagggaagc agtatcatgc caggcaaggt gaacctact 780
cagtggtgaag caatgacctt ggttgacgcc caagtcattg ggaacctagt tctgtcact 840
ctcgagggca cgaatggaca ttttgagttg aatgttttca agccaatgat gattaaaaat 900
gtgttacaact cagccaggtt gctgggggat gcttcagttt cctttacaga aaactgcgtg 960
gtgggaatcc agggccaatc agaaaggatc aacaagctga tgaatgagtc tctaattgtt 1020
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cacaaaaatg gatcaacctt aaaggaaact gctatcgaa ttggctatct cacagcagag 1140
cagtttgacg aatgggtaaa acctaaggac atgctgggtc caaagtgatt tacataaatt 1200
tataatgaaa ataaactagt ataaaaatta aaaaaaaaaa aaaaaatcgg gggggggggc 1260
ccgtaccctt tgg                                     1273

```

<210> 600

<211> 1239

<212> DNA

<213> Homo sapiens

<400> 600

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aattcggcac gagctgaagc cctctctctg gatgacacag actttgaggt gtagtgaat 60
ctttgctgtt caccagatgt aatgttttag ttctttacaa acaggggttg gggggggaa 120
ggcgtgcana aactaacatt gaaattttga aacagcagca gagtgaagtg attttatttt 180
tcgttatgtt tgggtgttta aaaaattccc cccatgtaat tattgtgaac accctgtttt 240
tggttcactg taactatttg ggggtgggac agggaggaaa agtaacaata gtccacatgt 300
ccctggatc tgttcagagc agtgtgcaga atgtaagtgc tttttgtaag aaacgtttta 360
tgatttttaa aataaattta gtgaacctat ttttgggtgt catttttttt ttaagcagat 420
cattttaaaa tgggtgctga atttcccaac ccaccoccaa actaaacact aagtttaatt 480
ttcagctcct ctgttgagca tataagtgca tctctgtgtg gacataggca aaataacctg 540
gcaaacttag ttctggtgat ttcttgatgg tttggaagtc tattgtctgg aagaaattcc 600
atcacacata ttcatgctta taataagctg gggatttttt gttgtttttt gcaaagtctt 660
gccctcactt ttcaacaatt ttctatgcta gttgtgaaga actaaggctg ggagcagtag 720
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taaaaattcc ttccaaataa ataaaaacac catgatgcta gattttagtg gtgcccraat 1140
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```

<210> 601

<211> 1286

<212> DNA

<213> Homo sapiens

<400> 601

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aattcggcac gagtttgtat tttgagtaga gacaggggtt caccgtgttg gctaggatgg 60
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tgtcgagcca ctgcgccttg ctggttttca tgaactctga tagacatcta taacgtttatt 180
attttcagtg gtgtgcagca tttttgcttc atgagtatga cctaggtata gagatctgat 240

```

```

aactgaatt cagaatatta agaaaatgaa gtaactgatt ttctaaaaaa aaaaaaaa 300
aaaatttcta cattataact cacagcattg ttccattgca ggttttgcaa tgtttggggg 360
taaaagacagt agaaatatta ttcagtaaac aataatgtgt gaacttttaa gatggataat 420
agggcatgga ctgagtgctg ctatcttgaa atgtgcacag gtacacttac cttttttttt 480
ttttttttta agtttttccc attcaggaaa acaacattgt gatctgtact acaggaaacca 540
aatgtccatgc gtcatacatg tgggtataaa gtacataaaa tatatctaac tattcataat 600
gtggggtggg taatactgtc tglgaaataa tgtaaagaagc ttttcaacta aaaaaaatgc 660
attactttca cttaacacta gacaccagggt cgaaaatttt caagggttata gtacttattt 720
caacaattct tagagatgct agctagtgtt gaagctaaaa atagctttat ttatgctgaa 780
ttgtgatttt tttatgccaa atttttttta gttctaalca ttgatgatag ctggaaataa 840
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gctaagtaag tctgaaaatg taataatttg ataatactgt aatataacct tcacacaaat 1140
gcttttctaa tgttttaacc ttgagtattg cagttgtctg tttgtacaga ggttactgca 1200
ataaaggaag tggattcatt aaactaaaaa aaaaaaaaaa aaaaactcgac 1260
cgcccggtta tttagtagta gtaggc 1286

```

<210> 602

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 602

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ggagggtggt tgtctaacca tcaaaatggt tgagactttt ttttaaacat ttctgagttc 120
gaaggtaata ctgacagatt tcttccctct tcctcccca tcaccacact cagtgtatac 180
acattactga tagaggaagt cattagaatc atttttaagt ttcagatata ggagacttca 240
tgcaatttgg agataagact aattattggg ggttttccct ggattttttt ttttaaacct 300
gggggctatt ttatcagctt gctattttaa gactatggt aagtatagaa tcttaatggt 360
tgccagttag taattctttt tttttttttt ttactgtana caca 404

```

<210> 603

<211> 1168

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1153)

<223> n equals a,t,g, or c

<400> 603

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<210> 604

<211> 458

<212> DNA

<213> Homo sapiens

<400> 604

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gatcgctaac  tgaagacaat  atgcaaaatt  ctacacatgga  tgaatacaga  aattctagta  180
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ctacagaaga  aactgaaatg  gcaagtgtgt  tggaccttcc  agtgacgctg  acagaacacag  360
aagcaatttc  cctccagaat  atgaaaaatt  ttggaaaaat  gtagaanaaa  atcctcaggt  420
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<210> 605

<211> 911

<212> DNA
 <213> Homo sapiens
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 <221> misc feature
 <222> (897)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (904)
 <223> n equals a,t,g, or c

<400> 605
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 ggaagcttcc gcagagccgc cggggtttc ccagtcctcc gtggggacca gcattagcag 180
 tacagggccc agccatgttt acagagccag caaatgatac cagtggaaat aaagagaatt 240
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 aagcagtttt gtgtgggata atttgaagaa tatattatga taaactccg aaaattttgt 780
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<210> 606
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (730)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (737)
 <223> n equals a,t,g, or c

<400> 606
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 gaggacgggg gcctggggc cgagtcacgc ggggtcgcgc gctttgggac gctgcacttc 180
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aacctggagg  acgatgagg  tggagcccag  gcctctccgg  agccggatgg  gggagtcggc  300
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gccctacttc  gagaagtgat  cgcggcgccg  cgtggacccc  ttgcgcccat  gggggcgccc  420
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ccagaccctc  agggagtgtt  ctacgaagat  tcggggcatg  caggccctgg  cctgggaaag  540
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gttattttgt  gctaataaaa  gagtaattaa  ttccaaaaaa  aaaaaaaaaa  aaaaaaaaaa  660
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738

<210> 607

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1328)

<223> n equals a,t,g, or c

<400> 607

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gtcagcatga  aagccttcag  tcccgtgagg  tccgttagga  cgttgagacc  gtcggaccac  180
agcctgggca  totcccggag  caaaacccct  gtggacgacc  cgatgagcct  gctatacaac  240
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gtgagcaaga  tggaaatcct  gcagcacgtc  atcgactaca  tcttgacct  gcagatcgcc  360
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cttgagactg  gatattcggt  atttatgaaa  aagactttta  aatgcctttt  ctgcagttgg  780
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ccagtgcctt  gatttttatt  atgctatggt  ataactgaac  ccaataaaat  acaagttcaa  1260
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1348

<210> 608

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
 <222> (690)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (703)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (718)
 <223> n equals a,t,g, or c

<400> 608
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 ac 722

<210> 609
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (315)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (321)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<400> 609
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taatagcact gtgacgaaca tctctcttaa caaaattcttt tgtctgcacc tatggtttatt 240
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<210> 610

<211> 1866

<212> DNA

<213> Homo sapiens

<400> 610

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aatatattac tgcTTaAAAA gatttccctaw aaagaaatgt atcmagtgtA tgaatcaaaag 180
ctrgaaagaa agatgaagag ccaccagact tctaggtagg ttacatcca tcatgttccct 240
ttgactgcc tttgtttgtc gtttagtttt ttgtccact caagcctgtt agaataacca 300
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<210> 611

<211> 2176

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
 <222> (2162)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2168)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2169)
 <223> n equals a,t,g, or c

<400> 611
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 ctgggacata attccaactg tgcacttctg aacctagaaa acaagttatc tgttcccaag 180
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tncccccnna agggggg

2176

<210> 612

<211> 3619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<400> 612

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<210> 613

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<400> 613

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<210> 614

<211> 1433

<212> DNA

<213> Homo sapiens

<400> 614

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<210> 615

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<400> 615

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gagaaatgcc  ttataagtgc  aatgaatgtg  ggaratatatt  tagccatcac  tccaatctaa  180
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<210> 616

<211> 2174

<212> DNA

<213> Homo sapiens

<400> 616

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<210> 617

<211> 3147

<212> DNA

<213> Homo sapiens

<400> 617

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<210> 618

<211> 2529

<212> DNA

<213> Homo sapiens

<400> 618

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<210> 619

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<400> 619

```

gcgagnaggg cagtgacact gagcggggcg agggggccga gtcggagacc gtgccggagt 60
tcgggagcgg caacagagtg ggcatagaca ctccgagcag cctcgccgtc gtctctgcgt 120
tcctgttgac tgcctggctg cccctcccc taactcctcg ttccgtggtg agaggctgcg 180
cgctgctgtt tggggagggg gtgtgtggag ccgggtctct gtgtccgagt ggctgctgtc 240
gggggggtcg ctgttcgcgg aggtgcggag agactccttg ggggtcgagc acataacggg 300
gttcgggtgt ctctgtgtgt aacatcacag ggtttgtgga tgcacttaga tgtttgcaat 360
gagcactgtg gctggcatgc cccagtgttt tggataccaa tgcataggac tccatagtta 420
tcgaatttac cagaggcgaa cgtcatgsag catagtgat ccattggggg ttgatcacgc 480
agagacgtca wacttggtaa atggctgcar gttcagaaym agtawttaaa attggttaca 540
aaagcaaaaa a 551

```

<210> 620

<211> 1735

<212> DNA

<213> Homo sapiens

<400> 620

```

ctcctcactt cttagactgta tttgtactat gttgaaaaa tatcctgtcc acaagacat 60
aagcctaaca acctagaaaa acaacagggt actactggca ttacagaact tctttgcctt 120
tcaaaaaaaa agcaaaacac agtgaacttc accacggagc tgcacagcgt ggggaactca 180
tccatcactt tcaaaattag agtcatttga tccaagttag agtcagacac agtatattgag 240
ctgcacggct tctgggttct cccaccttat ttgatcatat tcgaagatt atttctctg 300
ttgtctctga ttgttctctc agtacattaa aatgatccac accttgaaca ctgccctctc 360
tagaagggtg tttttgatca gccctttgaa gatgggtgtc gtttccctaa cttatctcac 420

```

```

agaattttga gttgtgttatt tggcaagttc tgagatttgc cttctgtctt atgccaaaca 480
cccttttcta agagctgtcc cgccttagtt ttagaagtag taggggtttt cactacttatt 540
tatagaaca cccatttata tttattttct tatatagaa taaaaaaac agtagtggtta 600
aaaactctttg ttgtggtttg agcatctttt ctgcttttgg attgagatgg cgaatcaagg 660
ctcactctcc tctctcttct gtcttttaga agctgtgatc gtgcgtgcaa ttatttgaaa 720
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atctatatac gagttaattt ttaatttttta ttctaaatga aaaaaacctt tttacttcca 1680
aaaaaattgt aagccacatt gtttaataaag taaaaataaa ttctaaaaaa aaaaa 1735

```

<210> 621

<211> 1026

<212> DNA

<213> Homo sapiens

<400> 621

```

tcgggaattc ccgggtcgac ccacgcgtcc gctttcatct gaccatccat atccaatgtt 60
ctcatttaaa cattaccag catcattggt tataatcaga aactctggct cttctgtctg 120
gtggcactta gactcttttg tgccataatg cagcagtagt gaggaggat tttatggaga 180
aatggggata gtcttcatga ccacaaataa ataaaggaaa actaagctgc attgtggggt 240
ttgaaaaagg tattataact cttacaatc ctttttttca gggactttcc tagctgtatt 300
actgttactt gacctctttt gaaaagcatt cccaataatg tctattttag atagattaac 360
attaaccaac ataatttttt ttagatcgag tcagcataaa ttctaaagc agcctctagt 420
cgtgggtcat cttcttcacc tgcattttat ttggtgtttg tctgaagaaa ggaagaggga 480
aagcaataac gaattgtact atttgtacca aatctttggg attcattggc aaataatttc 540
agtggtggtt attattaaat agaaaaaaat aattttgttt cctaggttga aggtctaatt 600
gatacgtttg acttatgatg accatttatg cactttcaaa gaattttgct ttcaaaataa 660
atgaagagca gctgtccttc ttctctcttt taagtgttca gctgtggcat gctcagagg 720
tctctgtgga ttccagctgg agcgggtgtga tacccttctt ttctagctgt tctgtccttc 780
ctttcttgta tccaccaaa gggagacaaa tacatgatct caaagataca cagtaacctac 840
ttaattccag ctgatgggag accaaaagaat ttgcaagttg atggttttgt atcactgtaa 900
ataaaaaag ggcctgggaa ttcttgcgat tccatctcta cttgtataa gtctcatttt 960
gtgccttaca catctgcagt atttatcatg ttccaactgt gtgactgtca ggcagtgc 1020
taacatc 1026

```

<210> 622

<211> 670

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<400> 622

```
gtggttagcgc cgctgcgtaa agaggcctgc rgtcccgcg cgcggggagc gttccgggct 60
gcttaggttg gcaccgggtcc gtggtcccg ggggcgcagt cgcagcgctc cgcgcccca 120
ggcgctcagc agtcgcgggt ccagtgccgc cggaacctcg cgcaactcct agagcggtcc 180
ttggggagac gcgggtccca gtccctgcgc tcctactggg gagtgcgctg gtgcggaagat 240
tgctggactc gctgaagaga gactacgcgc gaaagcccca gccaccatc aaatcagaga 300
gaagggaatcc accctcttac gctatggcag gtaagaaaagt actcattgtc tatgcacacc 360
aggaacccaa gtctttcaac ggtacccttga agaagtgtgc tgtagatgaa ctgagcaggc 420
agggctgcac cgtcacagtg tctgatitgt atgccatgaa ctttgagccg agggccacag 480
acaaagatal cactgtact cttctaatc ctgaggtttt caattatgga gtggaacccc 540
acgaagccta caagcaaagg tctctggcta gcgacatyac tgatgagcag aaaaaggnnt 600
cgggaaggct gacctartga tatttcaagt tcccgttgta ctggnctanc gtgcgcgcca 660
ttctgaaag 670
```

<210> 623

<211> 2163

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<400> 623

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gaattcggca cgaggagcgc tgagcgganc cgcggggcgg agggcgagc gaccgactga 60
cgttagggac gggagggcag caagatggcg cagacgcagg gcaccgggag gaaagtctgt 120
tactactacg acggggatgt tggaattac tattatggac aaggccaccc aatgaagcct 180
caccgaatcc gcatgactca taatttgcgt ctcaactatg gtctctaccg aaaaatggaa 240
atctatcgcc ctcaaaagc caatgctgag gagatgacca agtaccacag cgatgactac 300
attaaattct tgcgtccat ccgtccagat aacatgtcgg agtacagcaa gcagatgcag 360
agattcacaac ttggtgagga ctgtccagta ttgatggcc tgtttgagtt ctgtcagttg 420
tctactggtg gttctgtgac aagtgcgtg aaacttaata agcagcagac ggacatcgct 480
tgtgaattgg ctgggggcct gcaccatgca aagaagtcgg aggcattctg cttctgttac 540
```

```

gtcaatgata tcgtcttggc catcctggaa ctgctaaaagt atcaccagag ggtgctgtac 600
attgacattg atattcacca tgggtgacggc gtggaagagg cctctacac caccgacgg 660
gtcatgactg tgcctttca taagtatgga gactacttcc caggaactgg ggacctacgg 720
gatalcgggg ctggcaagg caagtattat gctgttaact acccgctccg agacgggatt 780
gatgacgagt cctatgaggc cattttcaag ccggtcatgt ccaaagtaat ggagatgttc 840
cagcctagtg cgggtgtctt acagtgtggc tcagactccc tatctgggga tcggttaggt 900
tgcttcaact taactatcaa aggacacgcc aagtgtgtgg aatttgtcaa gacttttaac 960
tgccctatgc tgatgctggg aggcgglggt tacaccattc gtaacgttgc ccggtgctgg 1020
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aagtaacatc agccattttt agattggttc tgttttcgta ccttccact ggctcaagt 1980
gagccaagaa acactgcctg cctctgtgtc gtcttctcct aattctgcag gtggagggtg 2040
ctagtctagt ttctcttttg agatactatt ttcaattttg tgagcctctt tgtaataaaa 2100
tggtaacattt ctataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2160
aaa

```

2163

<210> 624

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<400> 624

ggcagatct tctctgtggc ggagacagcc aggttggcag ctgacgggac agccggggtc 60

```

tattttgttg cgggttttca gcaaatccag ggctggtctg gaggcgcgaa aacttaaggc 120
atcagaaacg atggagtata tggcagaatc caccgaccgc agccctggag acatcttggt 180
ctgtgagcgt ggtgttccga taagtccaaa tcttgccaat atttgtgtgg cctgtttcgg 240
aagtaaaagt gacatcagcc aaggtattcc gaaacaagtc tcgatttcgt tctgcaaaaca 300
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tgacggcttt gtttgactg agcctcattc taagagactt aaagktaaac tgactattca 480
gaaagagggt atgaatggtg ctatccttca acaagtgttt gtggtgatt atgktgkccc 540
caaatggggg gagatggcat anaganaact aaggattctg gaaaggttgg attaaggggg 600
g

```

<210> 625

<211> 593

<212> DNA

<213> Homo sapiens

<400> 625

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gatgcagttt gcttggcaga gctataagcg ttatgcaatg gggaaaaacg aactccgtcc 60
actaacaataa gatggctacg agggtaacat gttcggaggc ctccagcggg caacagtcac 120
tgactccctc gatccctctt acctcatgga gctgaaggag gagttccagg aggccaaaggc 180
ctgggtggga gagagcttcc acctgaacgt gagcggagaa gcactcctgt ttgaggtgaa 240
cttcgcctac atcgggggac tctctcagc ctctcacctg acaggagaaag aggtgttccg 300
aataaaagcc atcaggctgg gagagaagct cctgccggcg ttcaaacacc ccacgggaat 360
cccaaaaggcg gtggtgagct tcaaaagtgg gaactggggc tggggccacg ccggcagcag 420
cagcatcttg gcggagtgtt gatccctgca ctgtgaattc ttacacctca ctgaaacttc 480
tggcaaccag gtcttcgctg aaaaggtcag gaacatccgc aaggtcctca ggaagwtcga 540
aaagcccttt ggccctytact ccaactkagm catggtgttg caaacagatc ccc 593

```

<210> 626

<211> 2272

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2267)

<223> n equals a,t,g, or c

<400> 626

```

ggggcaacgag gctgacacgg gagggctctc agctaaagcc aaaagcagat caaagtgtgtg 60
ggactcgcgt cggggcggcg gagacgtgaa gctctcgagg ctctctccgc tgcgggtcgg 120
ggctcgccct cgctctctct gccctccgcc cgggccccgg ccccgccgcc gccatggaga 180
agactgagct gatccagaag gccaaagctg ccgagcaggc cgagcgcctac gacgacatcg 240
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tgctctccgt ggctacaaag aacgtggtcg ggggcgcgag tccgctcgga gggctcatctc 360
tagcatcgag cagaagaccg acacctccga caagaagttg cagctgatta aggactatcg 420
ggagaaagtg gagtccgagc tgagatccat ctgcaccacg gtgctggaat tgttgataa 480
aatttaata gccaatgcaa ctaatccaga gagtaaggto tctctactga aaatgaaggg 540
tgattacttc cgttaccttg ctgaagttgc gctggtgtat gatcgaatac aaacgataga 600
taattcccaa gagcttacc aagaagcatt tgatataaac agaaagaga tgcaaccccac 660
acacccaatc cgccctggggc ttgctcttaa cttttctgta ttctactatg agattcttaa 720

```

```

taaccagag cttgcctgca cgctggctaa aacggcttt gatgaggcca ttgctgaact 780
tgatacactg aatgaagact catacaaga cagcaccctc atcatgcagt tgcttagaga 840
caacctaaca ctttgacat cagacagtgc aggagaagaa tgtgatgcgc cagaaggggc 900
tgaaaactaa atccatacag ggtgtcatcc ttctttcctt caagaaacct ttttacacat 960
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attgactgcg atttcttaga gtgttttact atagatcagt ctcatgggcc atctcttctc 2160
cagatgtaaa tgatatctgg ttaagtgtta tatggaataa agtggacatt ttaaaactar 2220
maaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa ta 2272

```

<210> 627

<211> 871

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (863)

<223> n equals a,t,g, or c

<400> 627

```

gggagcggag gncaggaacc caataagctg cttgcctcgc gagctgaagc ccgtactcaa 60
gatggcggct ccggcggggc gtggccagtg actagaagcg gaggcgccgc gggccatagg 120
cggcgcgcg gacgagcggc agtccagagg acggagaaga cgaggagaag gaggagcagt 180
gtggtcttgt ggaattatca ggaattattg attcaractt cctctcaaaa tgtgaaaaata 240
aatgcaaggt ttggggcatt gacactgaga ggccccattc gcaagtggac agctgtgtct 300
ttgtcgtggg gtatgaagac actctaggga cctgtgttat atttgaagaa aatgttgaac 360
atgctgatac agaaggcaat aataaaacag tgctaaaaata taaatgccat aacataggtg 420
agctcagcat gacaagaact ctcctgacag agaagaagga aggagaagaa aacataggtg 480

```



```

gggtggaatg gctgcaataa aaggataatg atttctccta tcgacccaac atgatttgta 540
actttctaca tgaaaaatgaa gacgaagaag tggtagcttc agccccagat aaatctttgg 600
aattggaaga ggaagagatt caaatgaacg acagttcaaa cctgagttgt gaacaggaga 660
aaccaatgca cttggaataa gaagattctg gtctctctat tgatatacct tctgagacag 720
aaggttctgt ttttatggaa actcaaatgc tgcttatgaa atcactccta gatgaaatgt 780
ttctcataat aacttgtcaa gaacttttta gaggttgttac ataaaaataa ttgctgtgta 840
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa t 871

```

<210> 628

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 628

```

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tgttgagtgt tcgggacgcc ggcctgcagg cgcctcagtc ttctccaccg cgcagctctg 120
gctgcggaat cgcgtccacc accgctactt tcggatccag gagggtgctga agcacgccag 180
gcactccggg ggaaggaaaa atcgctgcta caggttgccg gtcagaccgc tgattcgagc 240
ctttgtgaaa tgcaccaaaag ccgatacct gaagaaaaag aacatgagga cctctcgat 300
taatcgaatt acagctgcta gccaggaaca tggactgaag tatccagcgc tcattgggaa 360
tttagttaag tgcacgggtg agctcaacag gaaagtcccta gcggatctgg ccattcagca 420
gccaaaagat ttcaaatctt tggctgcctt ggccagtagg aggcgacacg aaggatttgc 480
tgctgccttg ggggatggga aggaacctga aggcattttt tccagagtgg tgcagtacca 540
ctgaggaactg ttgctgtatt gattaggaaa agagacagag taatttgcag ttgttttga 600
ttatactttt gtttatctac aacccaataa cagacatgag gtagtggcctt gtctctctgg 660
gacagagcct cacagatgat gtccatgttt tgtgtgaatg aaactcaaac actctcaaaa 720
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 779

```

<210> 629

<211> 1835

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1835)

<223> n equals a,t,g, or c

<400> 629

```

gcggggcccg acgccgattc catatggggc cgggcgcgga gcgcgcggg gcagcgcggg 60
gtcgcacatg ctgagctgca gcagctccgg gtgcagagg cggtggagtc catggtgaa 120
agtctgaaaa gagagaacat ccggaagatg cagggtctca tgttccgggt gcgcgcggc 180
tgttgtgagg acagccaggc ctccatgaag cagggtgcac agtgcatcga gcgctgccat 240
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ctggcccggt gcaccatgca ttgcaaygac aaagccaaag attcaataga tgcctgggag 360
aaggagcttc aggtgaagca gcagctggac agttgtgtga ccaagtgtgt gtagtaccac 420

```

```

atgcacctca tcccaactat gaccaagaag atgaaggagg ctctctttatc aattggaaaa 480
taaaagtatt tgccagtggt catcagggtc gagggcaaga atatattttt tataagggaat 540
tggaatttt agtcttttaa gcaaagtta cgaatgaaga aatgaaggat gggccacaagc 600
gtaaggcata tgtcacttgc ctctggacac tggttatttt atgtttcagt cccataaaaa 660
tgaatatgaa aaaagtgggt ctaaatcgag tcagagatat tacaggagag ttttagagct 720
tattatttcc tgtggccagt gcttgctctg gcagtaaggc tytccccgtg aacaagccag 780
agccctccaa ggtaccagac tcttttact acacaggtac taacagggtg gcagggtaga 840
gttggtggag tctgaggaga gatattttct ctttgttgcc aacatcctgt ttaccaaaag 900
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tcaccaactt attacttgaa attataat agcctgtccg ttgtctgtt ccaggcgtgtg 1740
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aaaaaaaaa aaaaaaaaaa aaaaataaaa aatn 1835

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<210> 630

<211> 1097

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 630

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aacattttaat ttgggaaact ttgattcttg aaagagaaaa caaaagcatg tgaataaaact 240
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gttttaggggg aaaaatgaaaa tctcccttaa aatttgtttc aactcctcct gcaataaaaa 1020
taaatgaagt ggcagatgta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaa

```

<210> 631

<211> 1537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 631

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<210> 632

<211> 1901

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1894)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1899)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1900)

<223> n equals a,t,g, or c

<400> 632

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aaaaaaaaaa aaaaaggggg gccgctttaa aggnccaann t 1901

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<210> 633
<211> 1750
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (809)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (821)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1689)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1712)
<223> n equals a,t,g, or c

<400> 633
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<210> 634

<211> 1926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 634

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cacaatatca cccattgact cacctattcc aaagcaagtt tctctgtaat cggccagttc 1740

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gatctt 1926

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<210> 635

<211> 1346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1342)

<223> n equals a,t,g, or c

<400> 635

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<210> 636

<211> 1584

<212> DNA

<213> Homo sapiens

<400> 636

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<210> 637

<211> 1663

<212> DNA

<213> Homo sapiens

<400> 637

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 gacgctgaag cggcccattg agttcgaggg ggcgctgctg agccccggct ccccgaagcg 180
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<210> 638

<211> 3947

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3738)

<223> n equals a,t,g, or c

<400> 638

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<211> 1427

<212> DNA
 <213> Homo sapiens
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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (29)
 <223> n equals a,t,g, or c

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<210> 640
 <211> 920

<212> DNA
 <213> Homo sapiens
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 <222> (910)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (919)
 <223> n equals a,t,g, or c

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<210> 641
 <212> 1706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1704)
 <223> n equals a,t,g, or c

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<210> 642

<211> 2170

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (811)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2155)

<223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2170)
 <223> n equals a,t,g, or c

<400> 642

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<210> 643
 <211> 1712
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

<222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1664)
 <223> n equals a,t,g, or c

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<210> 644
 <211> 1793
 <212> DNA
 <213> Homo sapiens
 <220>
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 <222> (790)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

<222> (1731)
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<220>
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 <222> (1793)
 <223> n equals a,t,g, or c

<400> 644
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<210> 645
 <211> 2679
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
 <223> n equals a,t,g, or c

<220>


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<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

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maaaaaaa aaaaaaa aaaaaaa aaaaaaa 2679

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<210> 646

<211> 832

<212> DNA

<213> Homo sapiens

<400> 646

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aataaaaaata tttcagtagt ctttgcatac gcttaccttg taccagaaac atttccaaat 180
tactatcaaa ttatagtaac tgagcctgtg tgaagtatct catcattttc gaaaggaaca 240
cctctgtgtg tgccagtgag catttctaaa aagggtgtga ggtagaggtg aggtgagaga 300
ccatttcaga atgcactgtt gctcaaaaag gtgactcgtt tcttcttcca gagatttcta 360
cggggataga aaatcgagg tctgccctca ttaatctgtg actccacctc ttgcatcaaa 420
tcaatatcta ttgtttgagc acttattgat taagacctga catatgtctg tccattttga 480
tttgagatac aactttttgt gtgggttgaa tgacaaatca ctccaaacaa arctgggcac 540
agagaatcag ctaggagacc agttattcag ggtccatttc tcttgtagtg aaaggagctc 600
tgggtaaaaat tggctgttaa cctaacccaa ctagtccttg tgattgtttt cgtccctctg 660
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ggtaaataaa aaatttccaa cagggaaaaa aaaaaaa aaaaaaa aa 832

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<210> 647

<211> 1325

<212> DNA

<213> Homo sapiens

<400> 647

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gcccgagac atcagcgggt gcgattatgc tactcactgt tgcgcagga acagtcaggt 180
accgcagttc agcgtgtgt gcccggaaca aaaaatacat ccaagatat tttggcacta 240

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acagtgtgat ctgtagcaag aaagataaag agtctgttcg aactgaggag acttccaagg 300
agacttcaga gagccaagac agtgaaaaag aaaaacagaa aaaagacttg ttaggcatta 360
ttaaggccat gaagattgaa ttaagcacag taaatgtacg aacaacaagg cccccaaaa 420
gaagaccact taaaagtttg gaagctacac ttggcaggct tcgaagagct acagaatatg 480
ctccaaagaa gagaattgag ccctgtagtc ctgagttggt ggcagctgca tctgtctggtg 540
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aaaaa 1325

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<210> 648

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<400> 648

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aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaacttta atgaactaac 180
tgacagcttc atgaactgt ccaccaagat caagcagaga aaataattaa ttctatggga 240
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ttaaattgtct tgtttccag atttcaggaa acttttttct ttttaagcta tccacagctt 360
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gttattgcac aagttcaata aaaatctgct ctttgtatrx cagaawamaa aaacattggk 540
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<210> 649

<211> 1696

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1047)

<223> n equals a,t,g, or c

<400> 649

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<210> 650

<211> 3059

<212> DNA

<213> Homo sapiens

<400> 650

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 agcagttggt ccttgccattg aaactcctta aaagatgcat atccatagc cagatatcaa 480
 gccagacaat atcctgggta atgaatccaa aactatttta aagctttgcr attttgggtc 540
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 tcttgaatc attatagta aaagctatga ctatgtgata gatattgtgt ctgtaggttt 660
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<210> 651

<211> 1366

<212> DNA

<213> Homo sapiens

<400> 651

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 ggcagctgtg attattttac tataatgtta gttacaagc tgggaataata agtgcattaa 180
 cggccacacat gagtcaatgg tatgcaaaaa gctctgttct tcccaataaa taattattat 240
 cccacaaata accagatgat ccccgccct gttcctttt gttattttt cttgataata 300

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<210> 652

<211> 1425

<212> DNA

<213> Homo sapiens

<400> 652

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<210> 653

<211> 614
 <212> DNA
 <213> Homo sapiens

<400> 653
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<210> 654
 <211> 2812
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (158)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (294)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2651)
 <223> n equals a,t,g, or c

<400> 654
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<210> 655

<211> 1997

<212> DNA

<213> Homo sapiens

<400> 655

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tggtttaaga caaacacaaa gcttggaaaa ttatattag aacgagagga ttatgaaaag 540
cttcaaaaaa ttttacgcca gttacatcag tcgtgccaga ctgatgatgg agaagatgat 600

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ctgaaaaaag gtacacagtt attagaaata tatgctttgg aaattcaaat gtacacagca 660
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cgtatatttc tgtactgcca gtgtagttaa gttttagacg aaaccccata attatagtgg 1920
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aaaaaaaaa aaaaaaa 1997

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<210> 656

<211> 1597

<212> DNA

<213> Homo sapiens

<400> 656

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<210> 657

<211> 372

<212> DNA

<213> Homo sapiens

<400> 657

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<210> 658

<211> 1226

<212> DNA

<213> Homo sapiens

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<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1226)

<223> n equals a,t,g, or c

<400> 658

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<210> 659

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<400> 659

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<210> 660

<211> 2549

<212> DNA

<213> Homo sapiens

<400> 660

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2549

<210> 661

<211> 1162

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1155)

<223> n equals a,t,g, or c

<400> 661

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cgccgcgcgag ggcgcagggc gcactctacgt ggggaacctt ccgaccgacg tgcgcgagaa 180
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gcacggccctc gtgccctctg ccttcgtgctg cttcgaggac ccccgagatg cagaggatgc 300
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tctttgtggg ttgctctact atggagatca acagttactg tgactgagtc ggcctattct 1080
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gcccccaaaa gggngccaag ct 1162

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<210> 662

<211> 1178

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (978)

<223> n equals a,t,g, or c

<400> 662

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ctgtctcgtg cagggtggagc agctgctcca ccaccggcgc tcgcgctacc aggcacatct 180
cgtcttccgc agtaagacct atggcaacct gctggtgttg gacggtgtca tccagtgcac 240
ggagagagag gagtctctct accaggagat gatcgccaac ctgcctctct gcagccaccc 300
caaccgcgca aaggtgtcga tcatcggggg cggagatgga ggtgtcctgc gggaggtggt 360
gaagcaccoc tccgtggagt ccgtggtcca gtgtgagatc gacgaggatg tcatccaagt 420
ctccaagaag ttcttccag gcactggccat tggctactct agctcgaagg tgaccctaca 480
tgggggtgac ggttttgagt tcatgaaaca gaatcaggat gccttcgacg tgatcatcac 540
tgactctcca gaccocatgg gccccgccga aagtctcttc aaggagtctt attaccagct 600
catgaagaca gccctcaagg aagatggtgt cctctgtctc cagggcgagt gccagtggct 660
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caagaaccgc agcacgaact tccaggagcc ggtgcagccc ctgacacagc agcaggtggc 840
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mtyacaaaac acgtgtattt atwgccaaaa aaaaaaaaa 1178

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<210> 663
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<400> 663
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agatacacga aaaaacttcc agaacatctg ggagaaatatt taatggaaaa tcgcttggtt 180
aanaacctgac acttttaaca gtgaacacgcg ttctgagtggt ggacgagtag ccagtgaaaga 240
taatgaatgt cgaatgtgac tgactagcag ctctatctttg aatgagggtc gctgtctgcc 300
cattgataga ggccagatgt tcttggaagt tccaaagttg caacgatttc tggctagtgc 360
cacgagggtt acttgactgt tgtgtgaaaa gctgataaga aaaccatcca gaaaaaagct 420
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tacttttaaa taggtcctga aataacatgg ggagcattaa atggaaaaac cactaaccag 540
ctgtntcaa attactgtga gtgaatgttt ccgggtttgt gcaagggtaca tgtaagggtt 600
ttgggtcaat ggtaagantg gagagacaag aattagaant aatgttacta ancaaatcaa 660
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gaatgagatc agaaattagg 740

<210> 664
<211> 1670
<212> DNA
<213> Homo sapiens

<400> 664

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caaccctgaa actcgtcctg ttgagaaaaa aataagatca gctcttccca ccaaaaccgt 180
aaagcctgtg gaaaaacaag atgatgatga ctctatagct gatcttctca atagtatga 240
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aagcttattg ctcaatccac acctcaggca gttgatggtc aacctcgatc agggagaaga 360
caagcaaaag ctcatgagag cttacatgca agagcctttg tttgtggagt ttgcagactg 420
ctgtttagga attgtggagc catcccagaa tgaggagtct taagtggatg tattgtgctg 480
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tcctttatgg agagaaaaact tgacattcag atgatgtttt ttaaatgttt tacttttggt 720
acagttgata gacatcataa acgatataca gcttacactt catatggagt taaacttggt 780
cagtgttaat aaaatcaaaa cgtgattcta ctgtacattg cattattcat aatttaattg 840
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gaaataacca caagattttt cccagcccaa attccagcgc caatttttag ccaacttttg 960
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atggacaagt actagtattg ggggccacag caggrrtaaa atagcattac atccactyag 1620
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<210> 665

<211> 3364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1097)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1881)

<223> n equals a,t,g, or c

<400> 665

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cggctgcgca gccccggccc ctccagtcct cagccctctg cccaactccg actcctgcac 180
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ccgt 3364

```

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<210> 666
<211> 1223
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1205)
<223> n equals a,t,g, or c

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tgtcgtgtct cctcttctct tcccaacca aggactgtgc cattaactgc cgtctcaact 180
gtccatgcag gaggacagag ttgcctggwa ctcttaacct tgtccctctc ctaaaaggag 240

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cacaaggaaa ctgaagagac tgaanaagaa gagagtttgt agctgaaaaa gaatagggat 300
agcaaggaaa cccagaactg cattccccta agtggggcca tcccatgtga ttgaattgtc 360
catagcctgc ctatggtgag aaatgtgcac gctccgtgag ctggtctctt gaaacaggac 420
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tgggtggcaa taccaggga ataatttaatt ttaaaaatag gnnattatta gangganggc 1140
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<210> 667

<211> 1997

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1289)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1974)

<223> n equals a,t,g, or c

<400> 667

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gtggaggggc ggcttggggc aagcgcgcgc gcgcagtgca gaagccagcc ccccgcggtc 60
gaggtactca aggtgcccaa agcgggggta gtgacctcgc gcgtgcgctg tgcccgcggc 120
agcgcggggc cctagtgtgt ggggtgttgt tggcaccgca cggcgcgctg gcagtgagga 180
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```

caagactctc ttctgtggcga gactgaatta tgacacaaca gaatccaagc tccggagaga 780
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<210> 668

<211> 586

<212> DNA

<213> Homo sapiens

<400> 668

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<210> 669

<211> 1097

<212> DNA

<213> Homo sapiens

<400> 669

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1097

<210> 670

<211> 2900

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2418)

<223> n equals a,t,g, or c

<400> 670

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<210> 671

<211> 987

<212> DNA

<213> Homo sapiens

<400> 671

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<210> 672

<211> 2825

<212> DNA

<213> Homo sapiens

<400> 672

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<211> 1430
<212> DNA
<213> Homo sapiens

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<222> (435)
<223> n equals a,t,g, or c

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<222> (1409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1413)
<223> n equals a,t,g, or c

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1430

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<220>
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 <222> (1103)
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 <222> (1120)
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<220>
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<223> n equals a,t,g, or c

<400> 675

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<210> 676

<211> 920

<212> DNA

<213> Homo sapiens

<400> 676

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<210> 677

<211> 1247

<212> DNA

<213> Homo sapiens

<400> 677

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tgagccacc cttgactactg gttcagtaga ggttgtagtc aagcaatatt tgaggacggg 180
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<210> 678

<211> 2667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2602)

<223> n equals a,t,g, or c

<400> 678

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gatccccgcg ctggggtgag cagagcgacc accgccccgg agcagcgccg cgagacgcaa 180
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tcttgatttc atcactctgt gtgtctt 2667

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<210> 679

<211> 952

<212> DNA

<213> Homo sapiens

<400> 679

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gccgcacgcг agagagcggt cactccctгg ccgagggгca ggcctctcac ggcctccctг 180
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gatagctггг ccttcgtgaa agggгcccag gtgгacttca gccaaгаact gatccgaгc 480
tcatttcaag tгttgaacaa tctccaagca cagcaaggгt gctcctгггг gtcatctttc 540
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gaagaacctг gaattagtag aattctagaa gtttacttct aatcatgtcc ctctcaattt 660
tatttccгcг агtccaggag tгttatgttt tgccactatt attttcagaa tгtgaagatt 720
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taaaagcttc attttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 952

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<210> 680
 <211> 2309
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (4)
 <223> n equals a,t,g, or c

<400> 680
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 agccaatttg tctctcttga ggaggcctgg agagaaaact tacacacagc gatgtcgggt 180
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<210> 681
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 681
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atgggaacct gactcccgag cgctccgacg tgtggtttgc gcttcaactc aaccgcaagc 180
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<210> 682
<211> 1298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1294)
<223> n equals a,t,g, or c

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<210> 683

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (793)

<223> n equals a,t,g, or c

<400> 683

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ggagggggcc gtcaagtcc 859

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<210> 684

<211> 1251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
 <222> (1249)
 <223> n equals a,t,g, or c

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<210> 685
 <211> 2600
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (38)
 <223> n equals a,t,g, or c

<220>
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 <222> (57)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (476)
 <223> n equals a,t,g, or c

<220>
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 <222> (1905)
 <223> n equals a,t,g, or c

<400> 685

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<211> 4641

<212> DNA

<213> Homo sapiens

<400> 586

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<211> 400

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

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<222> (380)

<223> n equals a,t,g, or c

<400> 687

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<211> 2751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 688

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<211> 969

<212> DNA

<213> Homo sapiens

<400> 689

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<211> 979

<212> DNA

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 <222> (969)
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 <211> 693
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (27)
 <223> n equals a,t,g, or c

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<210> 692

<211> 1382

<212> DNA

<213> Homo sapiens

<400> 692

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<210> 693

<211> 3098

<212> DNA

<213> Homo sapiens

<400> 693

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<210> 694

<211> 489

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (418)
 <223> n equals a,t,g, or c

<400> 694
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 ctgctgtgtgc ggccgctgccc ccagggtgccc ggggacgctc ccggagccct gcctgttccc 120
 tgtccatcca ggccagcagc tgaaggagcc tcacctgcct cccttctctg agtagcacgg 180
 attttaggag aagcagcga gatgtccagc gagcctcccc ctccctatcc tggggggccc 240
 acagcccccac ttctggaaga gaaaagtgga gccccgccca cccagggccg ttctccccc 300
 gctgtgatgc agccccctcc aggcattgcca ctgccccctg cggacattgg cccccacc 360
 tatgagccgc cgggtcamcc aatgcccccag cctgggttya tcccaccama catgagtnca 420
 gatgggmact acatgcctcc ggggttttta ccctcttcca gggggcccca cccaccctg 480
 gggaatta 489

<210> 695
 <211> 1844
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (15)
 <223> n equals a,t,g, or c

<400> 695
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 caacttttaa tgggatttca tggggtttgg ttgtgctgat agggtaaggg gaggtgctt 180
 tctgcccttc tcccactccc catctgattt acttaattca gtcctcagctg ctgaaatttg 240
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 ccagatgta aattaactca ccagatttac tgggctgaa ctcattctct tcttgctata 480
 tgatttagca agttctagaa ggtctccaag acaataatta cattggcaca atgtatactt 540
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 acagataaat ccttaacatt tctctccacc ttagtacttt agactaatg ttgttgtccg 960


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tccatgccat gaatgagtg gctgtagtgtt ggcctaaata aatgagctgt tggaaagaaaa 1020
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acttgtttgc tatgactaca ttttgaggtt ttgtaaaact gttatttttt tttttttcac 1740
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg gggg 1844

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<210> 696
<211> 605
<212> DNA
<213> Homo sapiens

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<400> 696
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taggtgagtt atccaatata gcaaaaggcca tcaaaagaa agccaatact tcatggaga 180
gctcagagcc ttaatagatc ccagcagcaa tgctcaacc attcccaact ccatgttctc 240
tgctagatgc tctctacccc aaactcctgc aaatttcaag aatttctgtg tatwggtgtg 300
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aagtaggact tcaggcagct gcaccatcaa tctgtgtctt tctctcwggt actgtgggac 540
tctatwcccg tctgacttgc tttggttccc ggggcatcat tcttggtttt gggaaaaaac 600
accttt 605

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<210> 697
<211> 540
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

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<220>
<221> misc feature

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<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 697
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aaaaacttaa tgaatgatt aatttttttt ttaattttac tgaaggatgt atnnatagat 120
ttaggaggga tatgagggtg actaaaaagt taaatttttc taatgtgaac ttttatttat 180
gttggtctgt atcttacaat ttgtaatttt aaagtcattg taggccaatg raatgtgagc 240
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<210> 698
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 698
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cactggatcc aaagttaga gaggttcccc ttccctccag cctccttccct ggcccaacag 180
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tcacgttttc aaagca 496

<210> 699

<211> 987

<212> DNA

<213> Homo sapiens

<400> 699

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<210> 700

<211> 1675

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1659)

<223> n equals a,t,g, or c

<400> 700

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cgctcagga aagtattact ttacagacaa ctactttgac ctgccaggag ctcttctgtg 360
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gaaggatata gttgctgcta tacaacacaa ttataaaatg tcagctttta aggaaaactg 480
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<210> 701

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 701

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<210> 702

<211> 1138

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1074)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1096)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1138)

<223> n equals a,t,g, or c

<400> 702

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<210> 703

<211> 1062

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1061)

<223> n equals a,t,g, or c

<400> 703

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```

<210> 704

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (847)

<223> n equals a,t,g, or c

<400> 704

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tatgtgtgta tatctatgaa tcaaacatac tgtttctgtt ggagatgggt cagaattata 180
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```

<210> 705

<211> 1383

<212> DNA

<213> Homo sapiens

<400> 705

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tccaaatatg gcagagwggg accagaagca tgtgtgctgt gatgattgat agcttcggaa 240
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cagacatcta tgttgtcatg tgccgaacag gaggaccagg ccccaagggc atctcatgca 480
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<210> 706

<211> 1155

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 706
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tcttgccaaa aggtcagagt ctggatcacc ttctgctgga ggccacagca aaacctctca 180
cagcccactg gtctcaaga ggtgccacgt ctccacacat cagcacaaact acgcagcgcc 240
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cctgagacag atcagcaaca accgaaaatg caccagcccc aggtcctcgg acaccgagga 360
gaatgtcaag aggcgaacac acaacgtctt ggagcgccag agggaggaac agctaaaacg 420
gagctttttt gccctgcgtg accagatccc ggagtgtgaa aacaatgaaa aggcccccaa 480
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<210> 707
<211> 1417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1404)
<223> n equals a,t,g, or c

<400> 707

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 aaggaaactaa gtgagtacat ctccagttgc ccagtaaagc ataatgttgt ttctctcagc 180
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<210> 708

<211> 948

<212> DNA

<213> Homo sapiens

<400> 708

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 ctttgagaaat atggaaataa tttaattatt ttcccggttc cagctctcca gctgtaacag 240
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<210> 709

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 709

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<210> 710

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<400> 710

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gaacagcgc  ataagcagct  ggcagagcca  aggaagagac  agcaagagag  cagagaaaga  480
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<210> 711

<211> 1143

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (41)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (77)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1110)
 <223> n equals a,t,g, or c

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 ctgatataca taggagagaa actgatagaa gaattctgat ggcaactgta tgatagaagc 840
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 aag 1143

<210> 712
 <211> 3779
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc feature
 <222> (3758)
 <223> n equals a,t,g, or c

<400> 712

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<211> 4443

<212> DNA

<213> Homo sapiens

<400> 714

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<223> n equals a,t,g, or c

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<222> (2401)

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<210> 720

<211> 2541

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1209)

<223> n equals a,t,g, or c

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<222> (2527)

<223> n equals a,t,g, or c

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<222> (2538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2540)

<223> n equals a,t,g, or c

<400> 720

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2541

<210> 721

<211> 2171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1996)

<223> n equals a,t,g, or c

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<210> 722

<211> 1888

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1875)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1878)

<223> n equals a,t,g, or c

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aaaaaaaaaa aaccncngng ggggcccc 1888

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<210> 723

<211> 980

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (968)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (972)

<223> n equals a,t,g, or c

<400> 723

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<210> 724

<211> 1812

<212> DNA

<213> Homo sapiens

<400> 724

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